THE COLD STANDARD

BN-HTSTB
April 2008

Replaces BN-HTSTB, May 2004

# AIR-COOLED CONDENSING UNITS

## 1/2-6 HP Indoor and Outdoor Models

## Technical Guide




www.thecoldstandard.com

## Table of Contents

Nomenclature .......... 2
Features & Benefits .......... 3
Options .......... 4
Hermetic Compressors .......... 5
Performance Data .......... 5
Medium & High Temp., R–22 .......... 5
Extended Temp., R–404A/507 .......... 6
Low Temp., R–404A/507 .......... 7
Unit Specification Data .......... 7
Electrical Data .......... 8
Scroll Compressors .......... 9
Performance Data .......... 9
Medium Temp., R–404A/507 .......... 9
Low Temp., R–404A/507 .......... 10
Medium Temp., R–22 .......... 11
Low Temp., R–22 .......... 12
Unit Specification Data .......... 13
Electrical Data .......... 13
Semi–hermetic Compressors .......... 14
Performance Data .......... 14
High Temp., R–22 .......... 14
Medium Temp., R–404A/507 .......... 15
Low Temp., R–404A/507 .......... 16
Unit Specification Data .......... 17
Electrical Data .......... 18
Medium Temp. .......... 18
Low Temp. .......... 19
Replacement Parts by InterLink™ .......... 19
Dimensional Drawings of Cabinet .......... 20-21

c UL us
MEA Accepted

Energy Solutions®

We have made a commitment to customer needs, innovation and environmental stewardship and have dedicated ourselves to delivering energy-efficient choices that reduce costs, improve bottom lines and enhance equipment performance and service life. The PSC motor is an Energy Solutions® feature and is optimized to help you save money by increasing energy efficiency.

## Nomenclature

| B | H | T | 030 | L | 6 | C | F |
|---|---|---|---|---|---|---|---|
| **Model** | **Compressor** | **Application** | **Equiv. HP** | **Temp.** | **Refrigerant** | **Voltage** | **Identifier** |
| B = Bohn | H = Hermetic<br>S = Semi–herm.<br>Z = Scroll | T = Outdoor<br>N = Indoor<br>S = Beacon II™ Microprocessor<br>B = Bohnmizer | 005 = 1/2 HP<br>008/009 = 3/4 HP<br>010, 011 = 1 HP<br>01* = 1–1/2 HP<br>02* = 2 HP<br>03* = 3 HP<br>04* = 4 HP<br>05* = 5 HP<br>060 = 6 HP | H = High<br>L = Low<br>M = Medium<br>E = Extra Low<br>X = Extended Medium | 2 = R–22<br>6 = R–404A/507 | B = 208/230/1/60<br>C = 208/230/3/60<br>D = 460/3/60<br>G = 230/1/60 | F = Stock |

# Features & Benefits

## Cabinet & Construction

- Painted galvanized cabinets for superior strength and corrosion protection including hoods for outdoor units
- Heavy duty steel raised base with 1-1/2" legs
- Fan guards and wiring conduit on indoor models

## Serviceability

- Suction service valves for hermetic and scroll compressors located outside the cabinet for quick installations. Semi-hermetic compressor models have a suction valve on the compressor and an access fitting on the suction line entering the cabinet. A receiver with fusible plug, liquid shutoff valve and charging port is also standard
- Large electrical panel for ease of access
- Prefabricated wiring harnesses for tight crimp connections and consistent labeling
- Unit stays on line if the hood is removed for servicing
- Sight glass is easily viewable

## Quality

- All units completely leak tested in a helium environment and bump tested and allowed to cycle off on the high and low pressure control. Each unit will have a copy of the run data shipped inside the electrical panel
- Electrical circuits are completely checked for continuity
- Piping is laid out to minimize stress and vibration and is pre-bent to eliminate leaks
- Encapsulated, auto-reset, high and low pressure controls to eliminate leaks (standard on all high and medium temperature models, adjustable low pressure control standard on low temperature models)

## Fans

- Fans specifically matched with motor and coil to attain maximum air movement and cooling

## Motors

- Motors rated for 50 and 60 cycle application

## Compressor

- Wide variety of compressors including: hermetic, semi-hermetic and scroll. R-22 and R-404A/507 available for both medium and low temperature applications
- Spring-mounted compressors with vibration eliminators on all 1/2 - 6 HP semi-hermetic compressors
- Discharge service valves on all compressors including hermetics

## Options

- Factory-installed Smart Defrost Kit™ (SDK)
- Liquid and suction filters available as options



*Typical Outdoor Hermetic Unit*



*Typical Outdoor Unit with throwaway liquid-line filter and sight glass*



*Typical Outdoor Hermetic Unit with liquid filter drier and sight glass*

# Options

| Electrical options: | Outdoor | Indoor | Stock |
|---|---|---|---|
| Smart Defrost Kit™ | Option | Option | N/A |
| Dual pressure control (not available on Beacon II™) | Option | Option | N/A |
| Adjustable low pressure control for medium temp. comp. | Option | Option | N/A |
| Crankcase heater | Standard | N/A | Standard |
| Fused disconnect / Non-fused disconnect | Option | Shipped loose | N/A |
| Phase loss / low voltage monitor | Option | Option | N/A |
| Fixed fan cycling — pressure or temperature (2 fan units) (Pressure standard on Beacon II™) | Option | Option | N/A |
| Air or electric defrost timer only | Option | Option | 1/2-3 HP low temp. |
| Electric defrost with timer & contactors (040-060 models only) | Option | Option | 4-6 HP low temp. |
| Beacon II™ | Option | Option | N/A |
| **Mechanical options:** | | | |
| Head pressure control flooding valve | Standard | Option | Standard |
| Liquid line drier, sight glass | Option | Option | Standard |
| Suction line filter | Option | Option | N/A |
| Suction accumulator (standard on X6 models) | Option | Option | N/A |
| Oil separator with discharge line check valve (D cabinet) | Option | Option | N/A |
| Liquid line solenoid valve and pumpdown switch | Option | Option | N/A |
| Replaceable core liquid line filter (D cabinet) | Option | Option | N/A |
| Replaceable core suction line filter (D cabinet) | Option | Option | N/A |
| Precharged refrigerant with line sets and wire harnesses | Option | Option | N/A |
| Oversize receiver (D cabinet) | Option | Option | N/A |
| Low ambient kit with heated and insulated receiver, TD relay | Option | N/A | N/A |
| 12" Extended legs for snowbelt operation | Shipped loose | Shipped loose | Shipped loose |

Beacon II™ REFRIGERATION SYSTEM

The Beacon II™ Refrigeration System is a preassembled, factory installed refrigeration system featuring an integrated microcomputer based electronic control board.

The Beacon II™ Refrigeration System replaces the expansion valve, solenoid valve, room thermostat, defrost control and timer. It comes factory preset thereby eliminating all of the expensive and time consuming fine tuning and adjustments necessary for a good system installation. For additional information, contact your Sales Representative.

## The Bohnmizer® System

The Bohnmizer® system is a complete factory furnished commercial refrigeration split system designed to operate properly regardless of climatic conditions. As the ambient temperature falls below 75°F, the head pressure is allowed to decrease in direct relationship to the ambient.

The heart of the system is the Bohnmizer valve, whose design allows the proper amount of refrigerant to flow to the evaporator irrespective of the valve inlet pressure. The Bohnmizer valve also responds very rapidly to changes in suction temperature, which assures the maintenance of low superheat, regardless of the ambient temperature.

The Bohnmizer system concept results in operational energy savings, increased compressor life, reduced refrigerant costs and less maintenance expense.

# HERMETIC COMPRESSORS
## Performance Data - Medium & High Temperature (R-22)

| R-22 Model | Compressor | Capacity BTUH @ 90°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 40°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F |
| BH*-005H2 | ART82C1 | 7,470 | 5,640 | 5,090 | 4,610 | 4,170 | 3,740 | 2,940 |
| BH*-008H2 | RS64C2 | 10,690 | 8,990 | 8,080 | 7,310 | 6,610 | 5,850 | 4,540 |
| BH*-010H2 | RS70C1 | 11,360 | 10,100 | 8,620 | 7,730 | 6,840 | 6,070 | 4,280 |
| BH*-015H2 | CR18KQ | – | 14,580 | 12,910 | 11,350 | 9,910 | 8,100 | 5,650 |
| BH*-020H2 | CR24KQ | 24,360 | 19,930 | 17,760 | 15,650 | 13,650 | 11,640 | 8,560 |
| BH*-029M2 | CR37KQ | – | 26,210 | 23,630 | 21,300 | 18,870 | 16,620 | 11,700 |
| BH*-030H2 | CR37KQ | 41,190 | 33,300 | 29,500 | 25,830 | 22,330 | 19,040 | 13,210 |
| BH*-040H2 | CR53KQ | 57,430 | 46,140 | 40,790 | 35,620 | 30,740 | 26,150 | 18,100 |
| BH*-050H2 | CRN-0500 | 64,770 | 52,240 | 46,250 | 40,490 | 35,010 | 29,860 | 20,740 |

| R-22 Model | Compressor | Capacity BTUH @ 95°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 40°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F |
| BH*-005H2 | ART82C1 | 7,170 | 5,410 | 4,870 | 4,410 | 3,990 | 3,580 | 2,790 |
| BH*-008H2 | RS64C2 | 10,280 | 8,540 | 7,740 | 6,980 | 6,310 | 5,580 | 4,320 |
| BH*-010H2 | RS70C1 | 10,870 | 9,120 | 8,150 | 7,350 | 6,490 | 5,740 | 3,870 |
| BH*-015H2 | CR18KQ | – | 13,830 | 12,210 | 10,670 | 9,260 | 7,510 | 5,130 |
| BH*-020H2 | CR24KQ | 23,190 | 18,980 | 16,910 | 14,900 | 12,990 | 11,090 | 8,150 |
| BH*-029M2 | CR37KQ | – | 25,100 | 22,780 | 20,270 | 17,880 | 15,450 | 10,900 |
| BH*-030H2 | CR37KQ | 38,230 | 31,710 | 28,090 | 24,610 | 21,260 | 18,140 | 12,580 |
| BH*-040H2 | CR53KQ | 54,690 | 43,950 | 38,840 | 33,930 | 29,270 | 24,920 | 17,240 |
| BH*-050H2 | CRN-0500 | 61,680 | 49,760 | 44,050 | 38,560 | 33,340 | 28,440 | 19,750 |

| R-22 Model | Compressor | Capacity BTUH @ 100°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 40°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F |
| BH*-005H2 | ART82C1 | 6,850 | 5,200 | 4,680 | 4,430 | 3,990 | 3,410 | – |
| BH*-008H2 | RS64C2 | 9,850 | 8,160 | 7,400 | 6,660 | 5,970 | 5,310 | – |
| BH*-010H2 | RS70C1 | 10,380 | 8,690 | 7,820 | 6,910 | 6,140 | 5,410 | – |
| BH*-015H2 | CR18KQ | – | 13,070 | 11,500 | 10,000 | 8,600 | 6,890 | 4,410 |
| BH*-020H2 | CR24KQ | 22,030 | 18,030 | 16,070 | 14,160 | 12,340 | 10,540 | 7,740 |
| BH*-029M2 | CR37KQ | – | 23,980 | 21,720 | 19,260 | 16,910 | 14,470 | – |
| BH*-030H2 | CR37KQ | 37,270 | 30,130 | 26,690 | 23,380 | 20,200 | 17,220 | 11,950 |
| BH*-040H2 | CR53KQ | 51,960 | 41,760 | 36,890 | 32,240 | 27,820 | 23,670 | 16,390 |
| BH*-050H2 | CRN-0500 | 58,600 | 47,270 | 41,850 | 36,630 | 31,680 | 27,020 | 18,760 |

| R-22 Model | Compressor | Capacity BTUH @ 110°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 40°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F |
| BH*-005H2 | ART82C1 | 6,240 | 4,960 | 4,430 | 4,010 | 3,550 | 3,190 | – |
| BH*-008H2 | RS64C2 | 8,930 | 7,820 | 6,710 | 6,020 | 5,390 | 4,770 | – |
| BH*-010H2 | RS70C1 | 9,490 | 8,250 | 6,950 | 6,170 | 5,440 | 4,380 | – |
| BH*-015H2 | CR18KQ | – | 11,590 | 10,100 | 8,230 | 6,880 | 5,650 | – |
| BH*-020H2 | CR24KQ | 19,770 | 16,180 | 14,410 | 12,680 | 11,000 | 9,400 | 6,490 |
| BH*-029M2 | CR37KQ | – | 21,750 | 19,600 | 17,030 | 14,730 | 12,520 | – |
| BH*-030H2 | CR37KQ | 33,900 | 27,120 | 23,870 | 20,760 | 17,820 | 15,080 | 10,350 |
| BH*-040H2 | CR53KQ | 48,390 | 38,470 | 33,780 | 29,320 | 25,120 | 21,230 | 14,550 |
| BH*-050H2 | CRN-0500 | 54,770 | 43,730 | 38,490 | 33,470 | 28,740 | 24,340 | 16,760 |

** = T for Outdoor, N for Indoor, B for Bohnmizer, S for Beacon II™*

# HERMETIC COMPRESSORS
## Performance Data - Extended Temperature (R-404A/507)

| R-404A/507 Model | Compressor | Capacity BTUH @ 90°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 30°F | 25°F | 20°F | 0°F | -10°F | -20°F | -25°F |
| BH*008X6 | RS55C2E | 8,490 | 8,050 | 7,480 | 4,260 | 2,350 | 1,750 | 1,130 |
| BH*009X6 | RS64C2E | 9,710 | 9,090 | 8,310 | 5,220 | 4,130 | 3,240 | 2,400 |
| BH*010X6 | RS70C1E | 10,060 | 9,300 | 8,660 | 5,540 | 4,080 | 2,750 | 2,050 |
| BH*015X6 | CS10K6E | 16,430 | 15,090 | 13,550 | 7,910 | 5,280 | 3,610 | 2,970 |
| BH*020X6 | CS12K6E | 18,590 | 17,000 | 15,420 | 9,110 | 6,330 | 4,030 | 3,270 |
| BH*025X6 | CS14K6E | 20,150 | 18,630 | 17,270 | 10,900 | 8,050 | 5,740 | 4,760 |
| BH*030X6 | CS18K6E | 29,490 | 27,030 | 24,550 | 14,390 | 10,600 | 7,380 | 6,180 |
| BH*032X6 | CS20K6E | 32,420 | 29,620 | 26,840 | 15,930 | 12,200 | 8,780 | 7,000 |
| BH*040X6 | CS27K6E | 43,970 | 39,510 | 35,150 | 20,560 | 14,980 | 11,830 | 8,690 |
| BH*050X6 | CS33K6E | 44,600 | 43,160 | 39,300 | 24,160 | 17,610 | 13,500 | 11,700 |

| R-404A/507 Model | Compressor | Capacity BTUH @ 95°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 30°F | 25°F | 20°F | 0°F | -10°F | -20°F | -25°F |
| BH*008X6 | RS55C2E | 8,010 | 7,590 | 7,060 | 4,020 | 2,220 | 1,650 | 1,070 |
| BH*009X6 | RS64C2E | 9,170 | 8,580 | 7,850 | 4,920 | 3,900 | 3,060 | 2,260 |
| BH*010X6 | RS70C1E | 9,400 | 8,850 | 8,170 | 5,120 | 3,770 | 2,610 | 1,820 |
| BH*015X6 | CS10K6E | 15,400 | 13,960 | 12,800 | 7,220 | 5,060 | 3,330 | 2,630 |
| BH*020X6 | CS12K6E | 17,490 | 16,000 | 14,470 | 8,370 | 5,830 | 3,860 | 2,830 |
| BH*025X6 | CS14K6E | 18,920 | 17,490 | 16,250 | 10,090 | 7,530 | 5,230 | 4,330 |
| BH*030X6 | CS18K6E | 27,840 | 25,490 | 23,130 | 13,480 | 9,710 | 6,750 | 5,620 |
| BH*032X6 | CS20K6E | 30,530 | 27,890 | 25,240 | 14,800 | 11,200 | 7,930 | 6,220 |
| BH*040X6 | CS27K6E | 41,480 | 37,270 | 33,160 | 19,400 | 14,130 | 11,160 | 8,200 |
| BH*050X6 | CS33K6E | 42,300 | 41,000 | 37,180 | 22,370 | 17,300 | 12,700 | 10,900 |

| R-404A/507 Model | Compressor | Capacity BTUH @ 100°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 30°F | 25°F | 20°F | 0°F | -10°F | -20°F | -25°F |
| BH*008X6 | RS55C2E | 7,530 | 7,130 | 6,640 | 3,780 | 2,090 | 1,550 | 1,010 |
| BH*009X6 | RS64C2E | 8,620 | 8,060 | 7,380 | 4,630 | 3,660 | 2,870 | 2,130 |
| BH*010X6 | RS70C1E | 8,790 | 8,290 | 7,680 | 4,760 | 3,430 | 2,230 | 1,570 |
| BH*015X6 | CS10K6E | 14,210 | 13,150 | 11,780 | 6,660 | 4,580 | 2,930 | 2,270 |
| BH*020X6 | CS12K6E | 16,410 | 14,990 | 13,380 | 7,700 | 5,280 | 3,420 | 2,420 |
| BH*025X6 | CS14K6E | 17,730 | 16,390 | 15,220 | 9,390 | 6,950 | 4,770 | 3,930 |
| BH*030X6 | CS18K6E | 26,190 | 23,970 | 21,800 | 12,570 | 8,880 | 6,120 | 5,110 |
| BH*032X6 | CS20K6E | 28,600 | 26,160 | 23,750 | 13,740 | 10,300 | 7,050 | 5,370 |
| BH*040X6 | CS27K6E | 38,980 | 35,030 | 31,180 | 18,240 | 13,290 | 10,500 | 7,700 |
| BH*050X6 | CS33K6E | 39,800 | 38,760 | 34,810 | 20,760 | 16,200 | 11,800 | 10,000 |

| R-404A/507 Model | Compressor | Capacity BTUH @ 110°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 30°F | 25°F | 20°F | 0°F | -10°F | -20°F | -25°F |
| BH*008X6 | RS55C2E | 6,150 | 5,900 | 5,520 | 2,730 | 2,050 | 1,620 | 1,190 |
| BH*009X6 | RS64C2E | 7,370 | 6,840 | 6,300 | 4,070 | 3,000 | 2,380 | 1,750 |
| BH*010X6 | RS70C1E | 7,700 | 7,140 | 6,590 | 4,080 | 3,010 | 1,680 | – |
| BH*015X6 | CS10K6E | 12,150 | 11,110 | 10,030 | 5,410 | 3,650 | 2,140 | 1,540 |
| BH*020X6 | CS12K6E | 14,270 | 12,980 | 11,550 | 6,460 | 4,410 | 2,580 | 1,660 |
| BH*025X6 | CS14K6E | 15,430 | 14,450 | 13,230 | 8,100 | 5,760 | 3,860 | 2,990 |
| BH*030X6 | CS18K6E | 23,000 | 21,020 | 18,970 | 10,810 | 7,100 | 4,940 | 4,140 |
| BH*032X6 | CS20K6E | 24,840 | 22,790 | 20,580 | 11,490 | 8,260 | 5,270 | 3,630 |
| BH*040X6 | CS27K6E | 35,150 | 31,240 | 27,520 | 15,210 | 11,290 | 8,920 | 6,550 |
| BH*050X6 | CS33K6E | 35,200 | 34,060 | 30,530 | 19,000 | 14,100 | 10,400 | 9,010 |

** = T for Outdoor, N for Indoor, B for Bohnmizer, S for Beacon II™*

# HERMETIC COMPRESSORS
## Performance Data - Low Temperature (R-404A/507)

| R-404A/507 Model | Compressor | Capacity BTUH @ 90°F Ambient Suction Temperature | | | | | |
|---|---|---|---|---|---|---|---|
| | | 0°F | -5°F | -10°F | -20°F | -25°F | -30°F |
| BH*011L6 | CF04K6E | 7,030 | 6,240 | 5,370 | 3,850 | 3,330 | 2,630 |
| BH*014L6 | CF06K6E | 10,500 | 9,380 | 7,830 | 6,090 | 4,890 | 4,080 |
| BH*019L6 | CF06K6E | 12,100 | 10,180 | 8,910 | 6,580 | 5,530 | 4,570 |
| BH*025L6 | CF09K6E | 15,550 | 14,500 | 12,700 | 9,000 | 7,560 | 6,230 |
| BH*031L6 | CF12K6E | 18,840 | 17,800 | 15,140 | 11,540 | 9,790 | 8,070 |

| R-404A/507 Model | Compressor | Capacity BTUH @ 95°F Ambient Suction Temperature | | | | | |
|---|---|---|---|---|---|---|---|
| | | 0°F | -5°F | -10°F | -20°F | -25°F | -30°F |
| BH*011L6 | CF04K6E | 6,840 | 5,750 | 4,920 | 3,650 | 3,020 | 2,360 |
| BH*014L6 | CF06K6E | 9,900 | 8,840 | 7,750 | 5,670 | 4,710 | 3,680 |
| BH*019L6 | CF06K6E | 11,400 | 10,100 | 8,750 | 6,040 | 5,030 | 4,150 |
| BH*025L6 | CF09K6E | 15,400 | 13,700 | 12,000 | 8,300 | 6,950 | 5,750 |
| BH*031L6 | CF12K6E | 17,690 | 16,800 | 14,360 | 10,910 | 9,170 | 7,470 |

| R-404A/507 Model | Compressor | Capacity BTUH @ 100°F Ambient Suction Temperature | | | | | |
|---|---|---|---|---|---|---|---|
| | | 0°F | -5°F | -10°F | -20°F | -25°F | -30°F |
| BH*011L6 | CF04K6E | 6,310 | 5,170 | 4,460 | 3,300 | 2,660 | 2,070 |
| BH*014L6 | CF06K6E | 9,310 | 8,280 | 7,280 | 5,280 | 4,350 | 3,510 |
| BH*019L6 | CF06K6E | 10,700 | 9,430 | 8,170 | 5,810 | 4,570 | 3,700 |
| BH*025L6 | CF09K6E | 14,500 | 12,800 | 11,200 | 8,130 | 6,410 | 5,220 |
| BH*031L6 | CF12K6E | 17,600 | 15,090 | 13,410 | 10,700 | 9,040 | 7,320 |

| R-404A/507 Model | Compressor | Capacity BTUH @ 110°F Ambient Suction Temperature | | | | | |
|---|---|---|---|---|---|---|---|
| | | 0°F | -5°F | -10°F | -20°F | -25°F | -30°F |
| BH*011L6 | CF04K6E | 5,240 | 4,450 | 3,620 | 2,630 | 2,100 | – |
| BH*014L6 | CF06K6E | 8,310 | 7,340 | 6,420 | 4,580 | 3,730 | 2,990 |
| BH*019L6 | CF06K6E | 9,330 | 8,170 | 7,040 | 4,920 | 3,980 | 3,090 |
| BH*025L6 | CF09K6E | 12,700 | 11,400 | 9,900 | 7,030 | 5,760 | 4,590 |
| BH*031L6 | CF12K6E | 15,700 | 14,000 | 12,400 | 9,250 | 7,690 | 6,100 |

# HERMETIC COMPRESSORS - Unit Specifications

| Model | Fig. ++ | Compressor | Connections (ID) | | Receiver 90% Full Lbs. | Fan(s) | Dimensions | | | Net Wt. Lbs. | Sound Data dBA† |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Liquid | Suction | | | D (In.) | W (In.) | H (In.) | | |
| BH*005H2 | A | ART82C1 | 3/8 | 1/2 | 6.0 | 1 | 28.25 | 23.75 | 17.25 | 187 | 67 |
| BH*008H2 | A | RS64C2 | 3/8 | 1/2 | 6.0 | 1 | 28.25 | 23.75 | 17.25 | 141 | 68 |
| BH*010H2 | A | RS70C1 | 3/8 | 5/8 | 6.0 | 1 | 28.25 | 23.75 | 17.25 | 136 | 68 |
| BH*015H2 | B | CR18KQ | 3/8 | 5/8 | 10.0 | 2 | 28.25 | 37.75 | 17.25 | 189 | 71 |
| BH*020H2 | B | CR24KQ | 3/8 | 7/8 | 10.0 | 2 | 28.25 | 37.75 | 17.25 | 193 | 72 |
| BH*029M2 | C | CR37KQ | 1/2 | 7/8 | 16.0 | 2 | 28.25 | 37.75 | 19.25 | 214 | 72 |
| BH*030H2 | D | CR37KQ | 1/2 | 7/8 | 22.0 | 1 | 30.25 | 42.50 | 29.75 | 281 | 73 |
| BH*040H2 | D | CR53KQ | 1/2 | 1-1/8 | 22.0 | 1 | 30.25 | 42.50 | 29.75 | 299 | 73 |
| BH*050H2 | D | CRN-0500 | 1/2 | 1-1/8 | 22.0 | 1 | 30.25 | 42.50 | 29.75 | 310 | 75 |
| BH*008X6 | A | RS55C2E | 3/8 | 1/2 | 5.5 | 1 | 28.25 | 23.75 | 17.25 | 135 | 68 |
| BH*009X6 | A | RS64C2E | 3/8 | 5/8 | 5.5 | 1 | 28.25 | 23.75 | 17.25 | 144 | 68 |
| BH*010X6 | A | RS70C1E | 3/8 | 5/8 | 5.5 | 1 | 28.25 | 23.75 | 17.25 | 138 | 68 |
| BH*015X6 | B | CS10K6E | 3/8 | 5/8 | 9.0 | 2 | 28.25 | 37.75 | 17.25 | 193 | 71 |
| BH*020X6 | B | CS12K6E | 3/8 | 7/8 | 9.0 | 2 | 28.25 | 37.75 | 17.25 | 203 | 73 |
| BH*025X6 | B | CS14K6E | 3/8 | 7/8 | 9.0 | 2 | 28.25 | 37.75 | 17.25 | 208 | 74 |
| BH*030X6 | D | CS18K6E | 1/2 | 7/8 | 20.0 | 1 | 30.25 | 42.50 | 29.75 | 290 | 73 |
| BH*032X6 | D | CS20K6E | 1/2 | 7/8 | 20.0 | 1 | 30.25 | 42.50 | 29.75 | 275 | 76 |
| BH*040X6 | D | CS27K6E | 1/2 | 1-1/8 | 20.0 | 1 | 30.25 | 42.50 | 29.75 | 281 | 73 |
| BH*050X6 | D | CS33K6E | 1/2 | 1-1/8 | 20.0 | 1 | 30.25 | 42.50 | 29.75 | 313 | 73 |
| BH*011L6 | A | CF04K6E | 3/8 | 5/8 | 5.5 | 1 | 28.25 | 23.75 | 17.25 | 139 | 73 |
| BH*014L6 | A | CF06K6E | 3/8 | 5/8 | 5.5 | 1 | 28.25 | 23.75 | 17.25 | 170 | 73 |
| BH*019L6 | B | CF06K6E | 3/8 | 5/8 | 9.0 | 2 | 28.25 | 37.75 | 17.25 | 200 | 69 |
| BH*025L6 | B | CF09K6E | 3/8 | 7/8 | 9.0 | 2 | 28.25 | 37.75 | 17.25 | 222 | 76 |
| BH*031L6 | C | CF12K6E | 1/2 | 7/8 | 14.0 | 2 | 28.25 | 37.75 | 19.75 | 223 | 77 |

** = T for Outdoor, N for Indoor, B for Bohnmizer, S for Beacon II™* *++ = See Dimensional Drawings for details*

*† = Estimated sound pressure values are 10 feet from the unit. For estimating sound pressure from the unit at different distances, deduct the following from the unit values: 20 feet, deduct 6 dBA for 40 feet, deduct 12 dBA for 80 feet, deduct 18 dBA. This data is typical of "free field" conditions for horizontal air cooled condensing units at the outlet of the discharge air. The actual sound measurements may vary depending on the condensing unit installation. Factors such as reflecting walls, background noise and mounting conditions may have a significant influence on this data.*

BOHN
THE COLD STANDARD

# HERMETIC COMPRESSORS
## Electrical Data

| Model Number | Part Number | Power Supply | | | Compressor | | Fan Motor | | | MCA | | MOPD | | Evap. Fan Amps | Defrost Heater Amps |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Volts | Ph | Hz† | RLA | LRA | Qty. | HP | FLA | Air | Elec. | Air | Elec. | | |
| BH*005H2B | ART82C1-CAV | 208-230 | 1 | 60 | 5.9 | 30.0 | 1 | 1/15 | 0.5 | 15.0 | 20 | 15 | 20 | 8 | 15 |
| BH*008H2B | RS64C2-CAV | 208-230 | 1 | 60 | 6.9 | 37.0 | 1 | 1/15 | 0.5 | 15.0 | 20 | 15 | 20 | 8 | 15 |
| BH*010H2B | RS70C1-PFV | 208-230 | 1 | 60 | 6.3 | 34.2 | 1 | 1/15 | 0.5 | 15.0 | 20 | 15 | 20 | 7 | 15 |
| BH*010H2C | RS70C1-TFC | 208-230 | 3 | 60 | 4.2 | 31.0 | 1 | 1/15 | 0.5 | 15.0 | 20 | 15 | 20 | 8.6 | 15 |
| BH*015H2B | CR18KQ-PFV | 208-230 | 1 | 60 | 8.1 | 41.0 | 2 | 1/15 | 1.0 | 15.0 | 24 | 15 | 25 | 6 | 19 |
| BH*015H2C | CR18KQ-TF5 | 208-230 | 3 | 60 | 4.9 | 40.0 | 2 | 1/15 | 1.0 | 15.0 | 24 | 15 | 20 | 7 | 19 |
| BH*015H2D | CR18KQ-TFD | 460 | 3 | 60 | 2.8 | 23.0 | 2 | 1/15 | 1.0 | 15.0 | 20 | 15 | 20 | ^ | ^ |
| BH*020H2B | CR24KQ-PFV | 208-230 | 1 | 60 | 12.2 | 70.5 | 2 | 1/15 | 1.0 | 20.0 | 29 | 25 | 30 | 6 | 23 |
| BH*020H2C | CR24KQ-TF5 | 208-230 | 3 | 60 | 6.7 | 40.0 | 2 | 1/15 | 1.0 | 15.0 | 24 | 15 | 25 | 9 | 19 |
| BH*020H2D | CR24KQ-TFD | 460 | 3 | 60 | 3.6 | 28.0 | 2 | 1/15 | 1.0 | 15.0 | 20 | 15 | 20 | ^ | ^ |
| BH*029M2B | CR37KQ-PFV | 208-230 | 1 | 60 | 16.7 | 100.3 | 2 | 1/15 | 1.0 | 21.8 | 38 | 35 | 50 | 12 | 30 |
| BH*029M2C | CR37KQ-TF5 | 208-230 | 3 | 60 | 9.9 | 85.0 | 2 | 1/15 | 1.0 | 15.0 | 38 | 20 | 40 | 12 | 30 |
| BH*029M2D | CR37KQ-TFD | 460 | 3 | 60 | 5.0 | 39.0 | 2 | 1/15 | 1.0 | 15.0 | 15 | 15 | 25 | ^ | ^ |
| BH*030H2B | CR37KQ-PFV | 208-230 | 1 | 60 | 16.7 | 100.3 | 1 | 1/3 | 3.5 | 24.3 | 38 | 40 | 50 | 12 | 30 |
| BH*030H2C | CR37KQ-TF5 | 208-230 | 3 | 60 | 9.9 | 85.0 | 1 | 1/3 | 3.5 | 20.0 | 38 | 25 | 40 | 12 | 30 |
| BH*030H2D | CR37KQ-TFD | 460 | 3 | 60 | 5.0 | 39.0 | 1 | 1/3 | 1.9 | 15.0 | 24 | 15 | 25 | ^ | ^ |
| BH*040H2B | CR53KQ-PFV | 208-230 | 1 | 60 | 26.0 | 140.0 | 1 | 1/3 | 3.5 | 36.0 | 48.0 | 50 | 60 | 12 | 35 |
| BH*040H2C | CR53KQ-TF5 | 208-230 | 3 | 60 | 16.3 | 107.0 | 1 | 1/3 | 3.5 | 23.9 | 38 | 40 | 50 | 12 | 30 |
| BH*040H2D | CR53KQ-TFD | 460 | 3 | 60 | 8.1 | 55.0 | 1 | 1/3 | 1.9 | 15.0 | 29 | 15 | 30 | 11 | 23 |
| BH*050H2B | CRN5-0500-PFV | 208-230 | 1 | 60 | 30.8 | 142.0 | 1 | 1/3 | 3.5 | 42.0 | 59 | 50 | 60 | 12 | 47 |
| BH*050H2C | CRN5-0500-TF5 | 208-230 | 3 | 60 | 19.2 | 130.0 | 1 | 1/3 | 3.5 | 28.0 | 40 | 45 | 50 | 12 | 30 |
| BH*050H2D | CRN5-0500-TFD | 460 | 3 | 60 | 8.7 | 65.0 | 1 | 1/3 | 1.9 | 15.0 | 29 | 20 | 30 | 10 | 23 |
| BH*008X6B | RS55C2E-CAV | 208-230 | 1 | 60 | 5.4 | 40.0 | 1 | 1/15 | 0.5 | 15.0 | 20 | 15 | 20 | 8 | 15 |
| BH*009X6B | RS64C2E-CAV | 208-230 | 1 | 60 | 6.9 | 37.0 | 1 | 1/15 | 0.5 | 15.0 | 20 | 15 | 20 | 7 | 15 |
| BH*010X6B | RS70C1E-PFV | 208-230 | 1 | 60 | 6.3 | 34.2 | 1 | 1/15 | 0.5 | 15.0 | 20 | 15 | 20 | 7 | 15 |
| BH*010X6C | RS70C1E-TFC | 208-230 | 3 | 60 | 4.2 | 31.0 | 1 | 1/15 | 0.5 | 15.0 | 20 | 15 | 20 | 8.6 | 15 |
| BH*015X6B | CS10K6E-PFV | 208-230 | 1 | 60 | 9.8 | 56.0 | 2 | 1/15 | 1.0 | 15.0 | 24 | 20 | 25 | 6 | 19 |
| BH*015X6C | CS10K6E-TF5 | 208-230 | 3 | 60 | 6.7 | 51.0 | 2 | 1/15 | 1.0 | 15.0 | 20 | 15 | 20 | 7 | 15 |
| BH*020X6B | CS12K6E-PFV | 208-230 | 1 | 60 | 9.8 | 56.0 | 2 | 1/15 | 1.0 | 15.0 | 24 | 20 | 25 | 6 | 19 |
| BH*020X6C | CS12K6E-TF5 | 208-230 | 3 | 60 | 6.7 | 51.0 | 2 | 1/15 | 1.0 | 15.0 | 24 | 15 | 25 | 9 | 19 |
| BH*025X6B | CS14K6E-PFV | 208-230 | 1 | 60 | 11.2 | 61.0 | 2 | 1/15 | 1.0 | 15.0 | 29 | 25 | 30 | 6 | 23 |
| BH*025X6C | CS14K6E-TF5 | 208-230 | 3 | 60 | 8.2 | 55.0 | 2 | 1/15 | 1.0 | 15.0 | 24 | 15 | 25 | 9 | 19 |
| BH*025X6D | CS14K6E-TFD | 460 | 3 | 60 | 4.2 | 28.0 | 2 | 1/15 | 1.0 | 15.0 | 20 | 15 | 20 | ^ | ^ |
| BH*030X6B | CS18K6E-PFV | 208-230 | 1 | 60 | 14.4 | 82.0 | 1 | 1/3 | 3.5 | 21.0 | 38 | 35 | 45 | 12 | 30 |
| BH*030X6C | CS18K6E-TF5 | 208-230 | 3 | 60 | 9.4 | 65.5 | 1 | 1/3 | 3.5 | 15.0 | 29 | 20 | 30 | 7 | 23 |
| BH*030X6D | CS18K6E-TFD | 460 | 3 | 60 | 3.9 | 33.0 | 1 | 1/3 | 1.9 | 15.0 | 24 | 15 | 25 | ^ | ^ |
| BH*032X6B | CS20K6E-PFV | 208-230 | 1 | 60 | 16.7 | 96.0 | 1 | 1/3 | 3.5 | 24.0 | 38 | 40 | 50 | 12 | 30 |
| BH*032X6C | CS20K6E-TF5 | 208-230 | 3 | 60 | 10.3 | 75.0 | 1 | 1/3 | 3.5 | 20.0 | 29 | 25 | 30 | 7 | 23 |
| BH*032X6D | CS20K6E-TFD | 460 | 3 | 60 | 4.6 | 40.0 | 1 | 1/3 | 1.9 | 15.0 | 24 | 15 | 25 | ^ | ^ |
| BH*040X6B | CS27K6E-PFV | 208-230 | 1 | 60 | 21.5 | 121.0 | 1 | 1/3 | 3.5 | 30.3 | 44 | 50 | 60 | 12 | 35 |
| BH*040X6C | CS27K6E-TF5 | 208-230 | 3 | 60 | 13.7 | 105.0 | 1 | 1/3 | 3.5 | 20.7 | 38 | 30 | 45 | 12 | 30 |
| BH*040X6D | CS27K6E-TFD | 460 | 3 | 60 | 7.6 | 52.0 | 1 | 1/3 | 1.9 | 15.0 | 29 | 15 | 30 | 11 | 23 |
| BH*050X6B | CS33K6E-PFV | 208-230 | 1 | 60 | 27.6 | 125.0 | 1 | 1/3 | 3.5 | 38.0 | 59 | 50 | 60 | 12 | 47 |
| BH*050X6C | CS33K6E-TF5 | 208-230 | 3 | 60 | 16.8 | 102.0 | 1 | 1/3 | 3.5 | 24.5 | 38 | 40 | 50 | 12 | 30 |
| BH*050X6D | CS33K6E-TFD | 460 | 3 | 60 | 8.8 | 48.0 | 1 | 1/3 | 1.9 | 15.0 | 29 | 20 | 30 | 10 | 23 |
| BH*011L6B | CF04K6E-PFV | 208-230 | 1 | 60 | 8.6 | 59.2 | 1 | 1/15 | 0.5 | 15.0 | 20.0 | 15 | 25 | 7 | 15 |
| BH*011L6C | CF04K6E-TF5 | 200-230 | 3 | 60 | 3.9 | 52.0 | 1 | 1/15 | 0.5 | 15.0 | 20.0 | 15 | 20 | 8 | 15 |
| BH*014L6B | CF06K6E-PFV | 208-230 | 1 | 60 | 10.3 | 59.2 | 1 | 1/15 | 0.5 | 15.0 | 20.0 | 20 | 25 | 4 | 15 |
| BH*014L6C | CF06K6E-TF5 | 200-230 | 3 | 60 | 6.3 | 52.0 | 1 | 1/15 | 0.5 | 15.0 | 24.0 | 15 | 25 | 9 | 19 |
| BH*025L6B | CF09K6E-PFV | 208-230 | 1 | 60 | 15.0 | 87.0 | 2 | 1/15 | 1.0 | 20.0 | 29.0 | 30 | 40 | 6 | 23 |
| BH*025L6C | CF09K6E-TF5 | 200-230 | 3 | 60 | 9.2 | 72.2 | 2 | 1/15 | 1.0 | 15.0 | 21.0 | 20 | 25 | 7 | 15 |
| BH*031L6B | CF12K6E-PFV | 208-230 | 1 | 60 | 17.0 | 105.0 | 2 | 1/15 | 1.0 | 22.3 | 37.5 | 35 | 50 | 12 | 30 |
| BH*031L6C | CF12K6E-TF5 | 200-230 | 3 | 60 | 10.7 | 85.0 | 2 | 1/15 | 1.0 | 15.0 | 28.8 | 25 | 30 | 7 | 23 |
| BH*031L6D | CF12K6E-TFD | 460 | 3 | 60 | 5.3 | 42.0 | 2 | 1/15 | 1.0 | 15.0 | 23.8 | 15 | 25 | ^ | ^ |

** = T for Outdoor, N for Indoor, B for Bohnmizer, S for Beacon II™*

*Per UL and NEC, RLA values have been calculated by dividing the Maximum Continuous Current (MCC) by 1.56.*

*^ Power supplied by customer.* *† Consult factory for 50 HZ applications.*

# SCROLL COMPRESSORS
## Performance Data - Medium Temperature (R-404A/507)

| R-404A/507 Model | Compressor | Capacity BTUH @ 90°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 35°F | 30°F | 25°F | 20°F | 10°F | 0°F | -5°F |
| BZ*020M6 | ZS15K4E | 22,630 | 21,160 | 19,690 | 18,210 | 15,340 | 12,640 | 11,390 |
| BZ*025M6 | ZS19K4E | 26,730 | 25,070 | 23,390 | 21,700 | 18,380 | 15,230 | 13,750 |
| BZ*030M6 | ZS21K4E | 32,760 | 30,580 | 28,360 | 26,170 | 21,900 | 17,950 | 16,140 |
| BZ*035M6 | ZS26K4E | 39,310 | 36,730 | 34,130 | 31,560 | 26,540 | 21,850 | 19,690 |
| BZ*045M6 | ZS30K4E | 46,490 | 43,050 | 39,760 | 36,560 | 30,480 | 24,890 | 22,310 |
| BZ*055M6 | ZS38K4E | 53,990 | 50,410 | 46,970 | 43,530 | 36,770 | 30,380 | 27,400 |
| BZ*060M6 | ZS45K4E | 61,960 | 58,120 | 54,430 | 50,680 | 43,160 | 35,890 | 32,490 |

| R-404A/507 Model | Compressor | Capacity BTUH @ 95°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 35°F | 30°F | 25°F | 20°F | 10°F | 0°F | -5°F |
| BZ*020M6 | ZS15K4E | 21,760 | 20,350 | 18,930 | 17,510 | 14,750 | 12,150 | 10,950 |
| BZ*025M6 | ZS19K4E | 25,700 | 24,110 | 22,490 | 20,870 | 17,670 | 14,640 | 11,790 |
| BZ*030M6 | ZS21K4E | 31,500 | 29,400 | 27,270 | 25,160 | 21,060 | 17,260 | 15,520 |
| BZ*035M6 | ZS26K4E | 37,800 | 35,320 | 32,820 | 30,350 | 25,520 | 21,010 | 18,930 |
| BZ*045M6 | ZS30K4E | 44,700 | 41,390 | 38,230 | 35,150 | 29,310 | 23,930 | 21,450 |
| BZ*055M6 | ZS38K4E | 51,910 | 48,470 | 45,160 | 41,860 | 35,360 | 29,210 | 26,350 |
| BZ*060M6 | ZS45K4E | 59,580 | 55,880 | 52,340 | 48,730 | 41,500 | 34,510 | 31,240 |

| R-404A/507 Model | Compressor | Capacity BTUH @ 100°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 35°F | 30°F | 25°F | 20°F | 10°F | 0°F | -5°F |
| BZ*020M6 | ZS15K4E | 20,890 | 19,540 | 18,170 | 16,810 | 14,160 | 11,660 | 10,510 |
| BZ*025M6 | ZS19K4E | 24,670 | 23,150 | 21,590 | 20,040 | 16,960 | 14,050 | 12,690 |
| BZ*030M6 | ZS21K4E | 30,240 | 28,220 | 26,180 | 24,150 | 20,220 | 16,570 | 14,900 |
| BZ*035M6 | ZS26K4E | 36,290 | 33,910 | 31,510 | 29,140 | 24,500 | 20,170 | 18,170 |
| BZ*045M6 | ZS30K4E | 42,910 | 39,730 | 36,700 | 33,740 | 28,140 | 22,970 | 20,590 |
| BZ*055M6 | ZS38K4E | 49,830 | 46,530 | 43,350 | 40,190 | 33,950 | 28,040 | 25,300 |
| BZ*060M6 | ZS45K4E | 57,200 | 53,640 | 50,250 | 46,780 | 39,840 | 33,130 | 29,990 |

| R-404A/507 Model | Compressor | Capacity BTUH @ 110°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 35°F | 30°F | 25°F | 20°F | 10°F | 0°F | -5°F |
| BZ*020M6 | ZS15K4E | 19,150 | 17,910 | 16,660 | 15,410 | 12,980 | 10,690 | 9,640 |
| BZ*025M6 | ZS19K4E | 22,620 | 21,220 | 19,760 | 18,370 | 15,550 | 14,190 | 11,630 |
| BZ*030M6 | ZS21K4E | 27,720 | 25,870 | 24,000 | 22,140 | 18,530 | 15,190 | 13,660 |
| BZ*035M6 | ZS26K4E | 33,260 | 31,080 | 28,880 | 26,710 | 22,460 | 18,490 | 16,660 |
| BZ*045M6 | ZS30K4E | 39,340 | 36,420 | 33,640 | 30,930 | 25,790 | 21,060 | 18,880 |
| BZ*055M6 | ZS38K4E | 45,680 | 42,650 | 39,740 | 36,840 | 31,120 | 25,700 | 23,190 |
| BZ*060M6 | ZS45K4E | - | 49,170 | 46,060 | 42,880 | 36,520 | 30,370 | 27,490 |

** = T for Outdoor, N for Indoor, B for Bohnmizer, S for Beacon II™*

BOHN
THE COLD STANDARD

# SCROLL COMPRESSORS
## Performance Data - Low Temperature (R-404A/507)

| R-404A/507 Model | Compressor | Capacity BTUH @ 90°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 0°F | -10°F | -15°F | -20°F | -25°F | -30°F | -40°F |
| BZ*020L6 | ZF06K4E | 11,970 | 9,920 | 8,940 | 8,010 | 7,130 | 6,310 | 4,900 |
| BZ*025L6 | ZF08K4E | 14,880 | 12,320 | 11,120 | 9,960 | 8,890 | 7,900 | 6,230 |
| BZ*030L6 | ZF09K4E | 16,540 | 13,730 | 12,400 | 11,130 | 9,930 | 8,840 | 6,980 |
| BZ*035L6 | ZF11K4E | 19,800 | 16,490 | 14,910 | 13,420 | 12,000 | 10,710 | 8,530 |
| BZ*045L6 | ZF13K4E | 24,720 | 20,360 | 18,300 | 16,410 | 14,570 | 12,840 | 9,800 |
| BZ*055L6 | ZF15K4E | 29,950 | 24,730 | 22,260 | 20,010 | 17,820 | 15,800 | 12,440 |
| BZ*060L6 | ZF18K4E | 36,360 | 30,140 | 27,160 | 24,330 | 21,680 | 19,240 | 15,100 |

| R-404A/507 Model | Compressor | Capacity BTUH @ 95°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 0°F | -10°F | -15°F | -20°F | -25°F | -30°F | -40°F |
| BZ*020L6 | ZF06K4E | 11,510 | 9,540 | 8,600 | 7,700 | 6,860 | 6,070 | 4,710 |
| BZ*025L6 | ZF08K4E | 14,310 | 11,850 | 10,690 | 9,580 | 8,550 | 7,600 | 5,990 |
| BZ*030L6 | ZF09K4E | 15,900 | 13,200 | 11,920 | 10,700 | 9,550 | 8,500 | 6,710 |
| BZ*035L6 | ZF11K4E | 19,040 | 15,860 | 14,340 | 12,900 | 11,540 | 10,300 | 8,200 |
| BZ*045L6 | ZF13K4E | 23,740 | 19,490 | 17,590 | 15,690 | 13,880 | 12,210 | 9,360 |
| BZ*055L6 | ZF15K4E | 28,870 | 23,820 | 21,550 | 19,260 | 17,390 | 15,160 | 11,910 |
| BZ*060L6 | ZF18K4E | 34,960 | 28,970 | 26,120 | 23,390 | 20,850 | 18,500 | 14,520 |

| R-404A/507 Model | Compressor | Capacity BTUH @ 100°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 0°F | -10°F | -15°F | -20°F | -25°F | -30°F | -40°F |
| BZ*020L6 | ZF06K4E | 11,050 | 9,160 | 8,260 | 7,390 | 6,590 | 5,830 | 4,520 |
| BZ*025L6 | ZF08K4E | 13,740 | 11,380 | 10,260 | 9,200 | 8,210 | 7,300 | 5,750 |
| BZ*030L6 | ZF09K4E | 15,260 | 12,670 | 11,440 | 10,270 | 9,170 | 8,160 | 6,440 |
| BZ*035L6 | ZF11K4E | 18,280 | 15,230 | 13,770 | 12,380 | 11,080 | 9,890 | 7,870 |
| BZ*045L6 | ZF13K4E | 22,780 | 18,740 | 16,770 | 14,910 | 13,180 | 11,780 | 8,890 |
| BZ*055L6 | ZF15K4E | 27,800 | 23,060 | 20,700 | 18,490 | 16,980 | 14,770 | 11,390 |
| BZ*060L6 | ZF18K4E | 33,560 | 27,810 | 25,080 | 22,450 | 20,010 | 17,760 | 13,950 |

| R-404A/507 Model | Compressor | Capacity BTUH @ 110°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 0°F | -10°F | -15°F | -20°F | -25°F | -30°F | -40°F |
| BZ*020L6 | ZF06K4E | 10,130 | 8,400 | 7,570 | 6,780 | 6,040 | 5,340 | 4,140 |
| BZ*025L6 | ZF08K4E | 12,590 | 10,430 | 9,410 | 8,430 | 7,520 | 6,690 | 5,270 |
| BZ*030L6 | ZF09K4E | 13,990 | 11,620 | 10,490 | 9,420 | 8,400 | 7,480 | 5,900 |
| BZ*035L6 | ZF11K4E | 16,760 | 13,960 | 12,620 | 11,350 | 10,160 | 9,060 | 7,220 |
| BZ*045L6 | ZF13K4E | 20,980 | 16,960 | 15,120 | 13,390 | 11,790 | 10,910 | 8,460 |
| BZ*055L6 | ZF15K4E | 25,790 | 21,200 | 19,030 | 16,980 | 15,100 | 14,000 | 10,340 |
| BZ*060L6 | ZF18K4E | 30,770 | 25,490 | 22,990 | 20,580 | 18,340 | 16,270 | 12,780 |

** = T for Outdoor, N for Indoor, B for Bohnmizer, S for Beacon II™*
*NOTE: The ZF compressor comes with liquid injection.*

# SCROLL COMPRESSORS
## Performance Data - Medium Temperature (R-22)

| R-22 Model | Compressor | Capacity BTUH @ 90°F Ambient Suction Temperature | | | | |
|---|---|---|---|---|---|---|
| | | 35°F | 30°F | 25°F | 20°F | 10°F |
| BZ*020M6 | ZS15K4E | 22,080 | 20,420 | 18,800 | 17,220 | 14,260 |
| BZ*025M6 | ZS19K4E | 26,080 | 24,190 | 22,340 | 20,530 | 17,090 |
| BZ*030M6 | ZS21K4E | 31,970 | 29,490 | 27,080 | 24,750 | 20,360 |
| BZ*035M6 | ZS26K4E | 38,930 | 35,820 | 32,830 | 29,970 | 24,520 |
| BZ*045M6 | ZS30K4E | 45,920 | 42,010 | 38,300 | 34,810 | 28,450 |
| BZ*055M6 | ZS38K4E | 54,050 | 49,950 | 45,960 | 42,100 | 34,600 |
| BZ*060M6 | ZS45K4E | 63,670 | 58,960 | 54,320 | 49,800 | 41,190 |

| R-22 Model | Compressor | Capacity BTUH @ 95°F Ambient Suction Temperature | | | | |
|---|---|---|---|---|---|---|
| | | 35°F | 30°F | 25°F | 20°F | 10°F |
| BZ*020M6 | ZS15K4E | 21,230 | 19,630 | 18,080 | 16,560 | 13,710 |
| BZ*025M6 | ZS19K4E | 25,080 | 23,260 | 21,480 | 19,740 | 16,430 |
| BZ*030M6 | ZS21K4E | 30,740 | 28,360 | 26,040 | 23,800 | 19,580 |
| BZ*035M6 | ZS26K4E | 37,430 | 34,440 | 31,570 | 28,820 | 23,580 |
| BZ*045M6 | ZS30K4E | 44,150 | 40,390 | 36,830 | 33,470 | 27,360 |
| BZ*055M6 | ZS38K4E | 51,970 | 48,030 | 44,190 | 40,480 | 33,270 |
| BZ*060M6 | ZS45K4E | 61,220 | 56,690 | 52,230 | 47,880 | 39,610 |

| R-22 Model | Compressor | Capacity BTUH @ 100°F Ambient Suction Temperature | | | | |
|---|---|---|---|---|---|---|
| | | 35°F | 30°F | 25°F | 20°F | 10°F |
| BZ*020M6 | ZS15K4E | 20,380 | 18,850 | 17,360 | 15,900 | 13,160 |
| BZ*025M6 | ZS19K4E | 24,080 | 22,330 | 20,620 | 18,950 | 15,770 |
| BZ*030M6 | ZS21K4E | 29,510 | 27,230 | 25,000 | 22,850 | 18,800 |
| BZ*035M6 | ZS26K4E | 35,930 | 33,060 | 30,310 | 27,670 | 22,640 |
| BZ*045M6 | ZS30K4E | 42,380 | 38,770 | 35,360 | 32,130 | 26,270 |
| BZ*055M6 | ZS38K4E | 49,890 | 46,110 | 42,420 | 38,860 | 31,940 |
| BZ*060M6 | ZS45K4E | 58,770 | 54,420 | 50,140 | 45,970 | 38,030 |

| R-22 Model | Compressor | Capacity BTUH @ 110°F Ambient Suction Temperature | | | | |
|---|---|---|---|---|---|---|
| | | 35°F | 30°F | 25°F | 20°F | 10°F |
| BZ*020M6 | ZS15K4E | 19,530 | 18,060 | 16,630 | 15,240 | 12,610 |
| BZ*025M6 | ZS19K4E | 23,070 | 21,400 | 19,760 | 18,160 | 15,120 |
| BZ*030M6 | ZS21K4E | 28,280 | 26,090 | 23,960 | 21,900 | 18,010 |
| BZ*035M6 | ZS26K4E | 34,440 | 31,690 | 29,040 | 26,510 | 21,690 |
| BZ*045M6 | ZS30K4E | 40,620 | 37,160 | 33,880 | 30,790 | 25,170 |
| BZ*055M6 | ZS38K4E | 47,810 | 44,190 | 40,660 | 37,240 | 30,610 |
| BZ*060M6 | ZS45K4E | 56,320 | 52,160 | 48,050 | 44,050 | 36,440 |

** = T for Outdoor, N for Indoor, B for Bohnmizer, S for Beacon II™*

# SCROLL COMPRESSORS

## Performance Data - Low Temperature (R-22)

| R-22 Model | Compressor | Capacity BTUH @ 90°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 0°F | -10°F | -15°F | -20°F | -25°F | -30°F | -40°F |
| BZ*020L6 | ZF06K4E | 11,610 | 9,400 | 8,380 | 7,450 | 6,590 | 5,840 | 4,590 |
| BZ*025L6 | ZF08K4E | 14,560 | 11,800 | 10,540 | 9,380 | 8,310 | 7,340 | 5,780 |
| BZ*030L6 | ZF09K4E | 15,940 | 13,070 | 11,750 | 10,500 | 9,340 | 8,260 | 6,460 |
| BZ*035L6 | ZF11K4E | 19,310 | 15,870 | 14,270 | 12,760 | 11,360 | 10,080 | 7,900 |
| BZ*045L6 | ZF13K4E | 23,490 | 19,140 | 17,140 | 15,280 | 13,560 | 12,000 | 9,400 |
| BZ*055L6 | ZF15K4E | 28,800 | 23,490 | 21,050 | 18,770 | 16,360 | 14,750 | 11,550 |
| BZ*060L6 | ZF18K4E | 33,800 | 27,550 | 24,670 | 21,970 | 19,480 | 17,220 | 13,440 |

| R-22 Model | Compressor | Capacity BTUH @ 95°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 0°F | -10°F | -15°F | -20°F | -25°F | -30°F | -40°F |
| BZ*020L6 | ZF06K4E | 11,060 | 8,950 | 7,980 | 7,090 | 6,280 | 5,560 | 4,370 |
| BZ*025L6 | ZF08K4E | 13,870 | 11,240 | 10,040 | 8,930 | 7,910 | 6,990 | 5,500 |
| BZ*030L6 | ZF09K4E | 15,180 | 12,450 | 11,190 | 10,000 | 8,890 | 7,870 | 6,150 |
| BZ*035L6 | ZF11K4E | 18,390 | 15,110 | 13,590 | 12,150 | 10,820 | 9,600 | 7,520 |
| BZ*045L6 | ZF13K4E | 22,370 | 18,230 | 16,320 | 14,550 | 12,910 | 11,430 | 8,950 |
| BZ*055L6 | ZF15K4E | 27,430 | 22,370 | 20,050 | 17,880 | 15,580 | 14,050 | 11,000 |
| BZ*060L6 | ZF18K4E | 32,190 | 26,240 | 23,490 | 20,920 | 18,550 | 16,400 | 12,800 |

| R-22 Model | Compressor | Capacity BTUH @ 100°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 0°F | -10°F | -15°F | -20°F | -25°F | -30°F | -40°F |
| BZ*020L6 | ZF06K4E | 10,840 | 8,770 | 7,820 | 6,950 | 6,150 | 5,450 | 4,280 |
| BZ*025L6 | ZF08K4E | 13,590 | 11,020 | 9,840 | 8,750 | 7,750 | 6,850 | 5,390 |
| BZ*030L6 | ZF09K4E | 14,880 | 12,200 | 10,970 | 9,800 | 8,710 | 7,710 | 6,030 |
| BZ*035L6 | ZF11K4E | 18,020 | 14,810 | 13,320 | 11,910 | 10,600 | 9,410 | 7,370 |
| BZ*045L6 | ZF13K4E | 21,920 | 17,870 | 15,990 | 14,260 | 12,650 | 11,200 | 8,770 |
| BZ*055L6 | ZF15K4E | 26,880 | 21,920 | 19,650 | 17,520 | 15,270 | 13,770 | 10,780 |
| BZ*060L6 | ZF18K4E | 31,550 | 25,720 | 23,020 | 20,500 | 18,180 | 16,070 | 12,540 |

| R-22 Model | Compressor | Capacity BTUH @ 110°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 0°F | -10°F | -15°F | -20°F | -25°F | -30°F | -40°F |
| BZ*020L6 | ZF06K4E | 10,290 | 8,320 | 7,420 | 6,590 | 5,840 | 5,170 | 4,060 |
| BZ*025L6 | ZF08K4E | 12,900 | 10,450 | 9,340 | 8,310 | 7,360 | 6,500 | 5,120 |
| BZ*030L6 | ZF09K4E | 14,120 | 11,580 | 10,410 | 9,300 | 8,270 | 7,320 | 5,720 |
| BZ*035L6 | ZF11K4E | 17,100 | 14,050 | 12,640 | 11,300 | 10,060 | 8,930 | 6,990 |
| BZ*045L6 | ZF13K4E | 20,800 | 16,950 | 15,180 | 13,530 | 12,010 | 10,630 | 8,320 |
| BZ*055L6 | ZF15K4E | 25,510 | 20,800 | 18,650 | 16,630 | 14,490 | 13,070 | 10,230 |
| BZ*060L6 | ZF18K4E | 29,940 | 24,400 | 21,850 | 19,460 | 17,250 | 15,250 | 11,900 |

** = T for Outdoor, N for Indoor, B for Bohnmizer, S for Beacon II™*
*NOTE: The ZF compressor comes with liquid injection.*

# SCROLL COMPRESSORS
## Unit Specifications

| Model | Fig. ++ | Compressor | Connections (ID) | | Receiver 90% Full Lbs. | Fan(s) | Dimensions | | | Net Wt. Lbs. | Sound Data dBA† |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Liquid | Suction | | | D (In.) | W (In.) | H (In.) | | |
| BZ*020M6 | C | ZS15K4E | 1/2 | 7/8 | 14 | 2 | 28.25 | 37.75 | 19.75 | 209 | 71 |
| BZ*025M6 | C | ZS19K4E | 1/2 | 7/8 | 14 | 2 | 28.25 | 37.75 | 19.75 | 218 | 73 |
| BZ*030M6 | D | ZS21K4E | 1/2 | 7/8 | 20 | 1 | 30.25 | 42.5 | 29.75 | 287 | 72 |
| BZ*035M6 | D | ZS26K4E | 1/2 | 7/8 | 20 | 1 | 30.25 | 42.5 | 29.75 | 290 | 74 |
| BZ*045M6 | D | ZS30K4E | 1/2 | 1-1/8 | 20 | 1 | 30.25 | 42.5 | 29.75 | 317 | 73 |
| BZ*055M6 | D | ZS38K4E | 1/2 | 1-1/8 | 20 | 1 | 30.25 | 42.5 | 29.75 | 317 | 74 |
| BZ*060M6 | D | ZS45K43 | 1/2 | 1-1/8 | 20 | 1 | 30.25 | 42.5 | 29.75 | 317 | 76 |
| BZ*020L6 | C | ZF06K4E | 1/2 | 7/8 | 14 | 2 | 28.25 | 37.75 | 19.75 | 209 | 71 |
| BZ*025L6 | C | ZF08K4E | 1/2 | 7/8 | 14 | 2 | 28.25 | 37.75 | 19.75 | 218 | 73 |
| BZ*030L6 | C | ZF09K4E | 1/2 | 7/8 | 14 | 2 | 28.25 | 37.75 | 19.75 | 218 | 71 |
| BZ*035L6 | C | ZF11K4E | 1/2 | 7/8 | 14 | 2 | 28.25 | 37.75 | 19.75 | 217 | 73 |
| BZ*045L6 | D | ZF13K4E | 1/2 | 1-1/8 | 20 | 1 | 30.25 | 42.5 | 29.75 | 307 | 73 |
| BZ*055L6 | D | ZF15K4E | 1/2 | 1-1/8 | 20 | 1 | 30.25 | 42.5 | 29.75 | 313 | 74 |
| BZ*060L6 | D | ZF18K4E | 1/2 | 1-1/8 | 20 | 1 | 30.25 | 42.5 | 29.75 | 317 | 76 |

** = T for Outdoor, N for Indoor, B for Bohnmizer, S for Beacon II™*

*++ = See Dimensional Drawings for details. † = Estimated sound pressure values are 10 feet from the unit. For estimating sound pressure from the unit at different distances, deduct the following from the unit values: 20 feet, deduct 6 dBA for 40 feet, deduct 12 dBA for 80 feet, deduct 18 dBA. This data is typical of "free field" conditions for horizontal air cooled condensing units at the outlet of the discharge air. The actual sound measurements may vary depending on the condensing unit installation. Factors such as reflecting walls, background noise and mounting conditions may have a significant influence on this data.*

# SCROLL COMPRESSORS - Electrical Data

| Model Number | Part Number | Power Supply | | | Compressor | | Fan Motor | | | MCA | | MOPD | | Evap. Fan Amps | Defrost Heater Amps |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Volts | Ph | Hz† | RLA | LRA | Qty. | HP | FLA | Air | Elec. | Air | Elec. | | |
| BZ*020M6B | ZS15K4E-PFV | 208-230 | 1 | 60 | 12.2 | 61.0 | 2 | 1/15 | 1.0 | 20 | 38 | 25 | 40 | 12 | 30 |
| BZ*020M6C | ZS15K4E-TF5 | 208-230 | 3 | 60 | 8.3 | 55.0 | 2 | 1/15 | 1.0 | 15 | 24 | 15 | 25 | 9 | 19 |
| BZ*020M6D | ZS15K4E-TFD | 460 | 3 | 60 | 3.8 | 27.0 | 2 | 1/15 | 1.0 | 15 | 24 | 15 | 25 | ^ | ^ |
| BZ*025M6B | ZS19K4E-PFV | 208-230 | 1 | 60 | 14.7 | 73.0 | 2 | 1/15 | 1.0 | 20 | 38 | 30 | 45 | 12 | 30 |
| BZ*025M6C | ZS19K4E-TF5 | 208-230 | 3 | 60 | 8.7 | 63.0 | 2 | 1/15 | 1.0 | 15 | 29 | 20 | 30 | 11 | 23 |
| BZ*025M6D | ZS19K4E-TFD | 460 | 3 | 60 | 4.5 | 31.0 | 2 | 1/15 | 1.0 | 15 | 24 | 15 | 25 | ^ | ^ |
| BZ*030M6B | ZS21K4E-PFV | 208-230 | 1 | 60 | 14.7 | 88.0 | 1 | 1/3 | 3.5 | 22 | 38 | 35 | 45 | 12 | 30 |
| BZ*030M6C | ZS21K4E-TF5 | 208-230 | 3 | 60 | 9.9 | 77.0 | 1 | 1/3 | 3.5 | 20 | 38 | 25 | 40 | 12 | 30 |
| BZ*030M6D | ZS21K4E-TFD | 460 | 3 | 60 | 5.1 | 39.0 | 1 | 1/3 | 1.9 | 15 | 24 | 15 | 25 | ^ | ^ |
| BZ*035M6B | ZS26K4E-PFV | 208-230 | 1 | 60 | 18.6 | 109.0 | 1 | 1/3 | 3.5 | 27 | 39 | 45 | 50 | 12 | 30 |
| BZ*035M6C | ZS26K4E-TF5 | 208-230 | 3 | 60 | 12.2 | 88.0 | 1 | 1/3 | 3.5 | 20 | 38 | 30 | 40 | 12 | 30 |
| BZ*035M6D | ZS26K4E-TFD | 460 | 3 | 60 | 6.4 | 44.0 | 1 | 1/3 | 1.9 | 15 | 24 | 15 | 25 | ^ | ^ |
| BZ*045M6B | ZS30K4E-PFV | 208-230 | 1 | 60 | 24.0 | 129.0 | 1 | 1/3 | 3.5 | 34 | 59 | 50 | 60 | 11 | 47 |
| BZ*045M6C | ZS30K4E-TF5 | 208-230 | 3 | 60 | 13.5 | 99.0 | 1 | 1/3 | 3.5 | 20 | 44 | 30 | 45 | 12 | 35 |
| BZ*045M6D | ZS30K4E-TFD | 460 | 3 | 60 | 7.4 | 49.5 | 1 | 1/3 | 1.9 | 15 | 29 | 15 | 30 | 11 | 23 |
| BZ*055M6B | ZS38K4E-PFV | 208-230 | 1 | 60 | 28.8 | 169.0 | 1 | 1/3 | 3.5 | 40 | 59 | 50 | 60 | 12 | 47 |
| BZ*055M6C | ZS38K4E-TF5 | 208-230 | 3 | 60 | 19.2 | 123.0 | 1 | 1/3 | 3.5 | 28 | 44 | 45 | 50 | 12 | 35 |
| BZ*055M6D | ZS38K4E-TFD | 460 | 3 | 60 | 8.7 | 62.0 | 1 | 1/3 | 1.9 | 15 | 29 | 20 | 30 | 10 | 23 |
| BZ*060M6C | ZS45K4E-TF5 | 208-230 | 3 | 60 | 21.5 | 156.0 | 1 | 1/3 | 3.5 | 30 | 44 | 50 | 60 | 12 | 35 |
| BZ*060M6D | ZS45K4E-TFD | 460 | 3 | 60 | 8.3 | 70.0 | 1 | 1/3 | 1.9 | 15 | 29 | 20 | 30 | 10.6 | 23 |
| BZ*020L6B | ZF06K4E-PFV | 208-230 | 1 | 60 | 12.2 | 61.0 | 2 | 1/15 | 1.0 | 20 | 38 | 25 | 40 | 12 | 30 |
| BZ*020L6C | ZF06K4E-TF5 | 208-230 | 3 | 60 | 8.3 | 55.0 | 2 | 1/15 | 1.0 | 15 | 24 | 15 | 25 | 9 | 19 |
| BZ*020L6D | ZF06K4E-TFD | 460 | 3 | 60 | 3.8 | 27.0 | 2 | 1/15 | 1.0 | 15 | 24 | 15 | 25 | ^ | ^ |
| BZ*025L6B | ZF08K4E-PFV | 208-230 | 1 | 60 | 14.7 | 73.0 | 2 | 1/15 | 1.0 | 20 | 38 | 30 | 45 | 12 | 30 |
| BZ*025L6C | ZF08K4E-TF5 | 208-230 | 3 | 60 | 8.7 | 63.0 | 2 | 1/15 | 1.0 | 15 | 29 | 20 | 30 | 11 | 23 |
| BZ*025L6D | ZF08K4E-TFD | 460 | 3 | 60 | 4.5 | 31.0 | 2 | 1/15 | 1.0 | 15 | 24 | 15 | 25 | ^ | ^ |
| BZ*030L6B | ZF09K4E-PFV | 208-230 | 1 | 60 | 14.7 | 88.0 | 2 | 1/15 | 1.0 | 20 | 38 | 30 | 45 | 12 | 30 |
| BZ*030L6C | ZF09K4E-TF5 | 208-230 | 3 | 60 | 9.9 | 77.0 | 2 | 1/15 | 1.0 | 15 | 24 | 20 | 25 | 6 | 19 |
| BZ*030L6D | ZF09K4E-TFD | 460 | 3 | 60 | 5.1 | 39.0 | 2 | 1/15 | 1.0 | 15 | 15 | 15 | 15 | ^ | ^ |
| BZ*035L6B | ZF11K4E-PFV | 208-230 | 1 | 60 | 18.6 | 109.0 | 2 | 1/15 | 1.0 | 24 | 38 | 40 | 50 | 12 | 30 |
| BZ*035L6C | ZF11K4E-TF5 | 208-230 | 3 | 60 | 12.2 | 88.0 | 2 | 1/15 | 1.0 | 20 | 29 | 25 | 30 | 6 | 23 |
| BZ*035L6D | ZF11K4E-TFD | 460 | 3 | 60 | 6.4 | 44.0 | 2 | 1/15 | 1.0 | 15 | 15 | 15 | 15 | ^ | ^ |
| BZ*045L6B | ZF13K4E-PFV | 208-230 | 1 | 60 | 24.0 | 129.0 | 1 | 1/3 | 3.5 | 34 | 45 | 50 | 60 | 11 | 30 |
| BZ*045L6C | ZF13K4E-TF5 | 208-230 | 3 | 60 | 13.5 | 99.0 | 1 | 1/3 | 3.5 | 20 | 38 | 30 | 40 | 11 | 30 |
| BZ*045L6D | ZF13K4E-TFD | 460 | 3 | 60 | 7.4 | 49.5 | 1 | 1/3 | 1.9 | 15 | 24 | 15 | 25 | 9 | 19 |
| BZ*055L6B | ZF15K4E-PFV | 208-230 | 1 | 60 | 28.8 | 169.0 | 1 | 1/3 | 3.5 | 40 | 50 | 50 | 60 | 10 | 30 |
| BZ*055L6C | ZF15K4E-TF5 | 208-230 | 3 | 60 | 19.2 | 123.0 | 1 | 1/3 | 3.5 | 28 | 40 | 45 | 50 | 10 | 30 |
| BZ*055L6D | ZF15K4E-TFD | 460 | 3 | 60 | 8.7 | 62.0 | 1 | 1/3 | 1.9 | 15 | 24 | 20 | 25 | 8 | 19 |
| BZ*060L6C | ZF18K4E-TF5 | 208-230 | 3 | 60 | 21.5 | 156.0 | 1 | 1/3 | 3.5 | 30 | 44 | 50 | 60 | 12 | 35 |
| BZ*060L6D | ZF18K4E-TFD | 460 | 3 | 60 | 8.3 | 70.0 | 1 | 1/3 | 1.9 | 15 | 29 | 20 | 30 | 11 | 23 |

** = T for Outdoor, N for Indoor, B for Bohnmizer, S for Beacon II™*

*Per UL and NEC, RLA values have been calculated by dividing the Maximum Continuous Current (MCC) by 1.56.*

*^ Power supplied by customer.* *† Consult factory for 50 HZ applications.*

# SEMI-HERMETIC COMPRESSORS
## Performance Data - Medium and High Temperature (R-22)

| R-22 Model | Compressor | Capacity BTUH @ 90°F Ambient Suction Temperature | | | | | |
|---|---|---|---|---|---|---|---|
| | | 40°F | 30°F | 25°F | 20°F | 10°F | 0°F |
| BS*005H2 | HAG-0050 | 5,930 | 4,920 | 4,470 | 3,810 | 2,970 | – |
| BS*008H2 | KAN-0075 | 9,110 | 7,630 | 6,900 | 6,230 | 4,640 | – |
| BS*008M2 | KAE-0075 | – | – | 7,850 | 7,110 | 5,770 | 4,420 |
| BS*010H2 | KAR-0100 | 12,910 | 10,670 | 9,630 | 8,630 | 6,830 | – |
| BS*010M2 | KAM-0100 | – | – | 9,920 | 8,950 | 7,110 | 5,370 |
| BS*015H2 | KAG-0150 | 16,990 | 13,880 | 12,720 | 11,440 | 9,120 | – |
| BS*020H2 | ERA-0200 | 22,270 | 16,800 | 14,500 | 12,300 | 7,970 | – |
| BS*020M2 | KAK-0200 | – | – | 17,190 | 15,510 | 12,450 | 9,880 |
| BS*021M2 | ERC-0200 | – | – | 18,350 | 16,650 | 13,520 | 10,850 |
| BS*029M2 | ERF-0310 | – | – | 25,570 | 23,190 | 18,860 | 15,330 |
| BS*030H2 | ERF-0310 | 37,070 | 30,820 | 27,870 | 25,100 | 20,160 | – |
| BS*030M2 | 3RA-0310 | – | – | 33,580 | 30,500 | 24,870 | 20,210 |
| BS*040H2 | NRB-0400 | 51,530 | 43,040 | 39,170 | 35,390 | 26,300 | – |
| BS*050H2 | NRA-0500 | 58,700 | 49,500 | 44,950 | 40,860 | 31,000 | – |
| BS*050M2 | NRM-0500 | – | – | 53,650 | 48,780 | 39,810 | 32,400 |

| R-22 Model | Compressor | Capacity BTUH @ 95°F Ambient Suction Temperature | | | | | |
|---|---|---|---|---|---|---|---|
| | | 40°F | 30°F | 25°F | 20°F | 10°F | 0°F |
| BS*005H2 | HAG-0050 | 5,630 | 4,710 | 4,280 | 3,640 | 2,830 | – |
| BS*008H2 | KAN-0075 | 8,840 | 7,310 | 6,630 | 5,990 | 4,430 | – |
| BS*008M2 | KAE-0075 | – | – | 7,510 | 6,780 | 5,510 | 4,250 |
| BS*010H2 | KAR-0100 | 12,410 | 10,260 | 9,260 | 8,300 | 6,570 | – |
| BS*010M2 | KAM-0100 | – | – | 9,580 | 8,630 | 6,840 | 5,140 |
| BS*015H2 | KAG-0150 | 16,340 | 13,350 | 12,230 | 11,000 | 8,770 | – |
| BS*020H2 | ERA-0200 | 21,310 | 15,900 | 13,700 | 11,500 | 7,220 | – |
| BS*020M2 | KAK-0200 | – | – | 16,530 | 14,910 | 11,970 | 9,500 |
| BS*021M2 | ERC-0200 | – | – | 17,640 | 16,010 | 13,000 | 10,430 |
| BS*029M2 | ERF-0310 | – | – | 24,720 | 22,400 | 18,200 | 14,760 |
| BS*030H2 | ERF-0310 | 35,640 | 29,630 | 26,800 | 24,130 | 19,380 | – |
| BS*030M2 | 3RA-0310 | – | – | 32,290 | 29,330 | 23,910 | 19,430 |
| BS*040H2 | NRB-0400 | 49,860 | 41,700 | 37,830 | 34,160 | 25,000 | – |
| BS*050H2 | NRA-0500 | 56,500 | 47,720 | 43,310 | 39,360 | 29,700 | – |
| BS*050M2 | NRM-0500 | – | – | 51,590 | 46,900 | 38,280 | 31,150 |

| R-22 Model | Compressor | Capacity BTUH @ 100°F Ambient Suction Temperature | | | | | |
|---|---|---|---|---|---|---|---|
| | | 40°F | 30°F | 25°F | 20°F | 10°F | 0°F |
| BS*005H2 | HAG-0050 | 5,380 | 4,500 | 4,080 | 3,470 | 2,690 | – |
| BS*008H2 | KAN-0075 | 8,520 | 7,030 | 6,370 | 5,750 | 4,230 | – |
| BS*008M2 | KAE-0075 | – | – | 7,190 | 6,470 | 5,250 | 4,270 |
| BS*010H2 | KAR-0100 | 11,910 | 9,850 | 8,890 | 7,970 | 6,310 | – |
| BS*010M2 | KAM-0100 | – | – | 9,240 | 8,310 | 6,570 | 4,910 |
| BS*015H2 | KAG-0150 | 15,690 | 12,820 | 11,740 | 10,560 | 8,420 | – |
| BS*020H2 | ERA-0200 | 19,300 | 15,000 | 12,900 | 10,800 | 6,540 | – |
| BS*020M2 | KAK-0200 | – | – | 15,870 | 14,310 | 11,490 | 9,120 |
| BS*021M2 | ERC-0200 | – | – | 16,930 | 15,370 | 12,480 | 10,010 |
| BS*029M2 | ERF-0310 | – | – | 23,850 | 21,610 | 17,530 | 14,200 |
| BS*030H2 | ERF-0310 | 34,210 | 28,450 | 25,720 | 23,160 | 18,600 | – |
| BS*030M2 | 3RA-0310 | – | – | 31,000 | 28,150 | 22,950 | 18,660 |
| BS*040H2 | NRB-0400 | 48,150 | 40,240 | 36,480 | 32,810 | 23,900 | – |
| BS*050H2 | NRA-0500 | 54,570 | 45,950 | 41,820 | 37,850 | 28,400 | – |
| BS*050M2 | NRM-0500 | – | – | 49,530 | 45,020 | 36,750 | 29,910 |

| R-22 Model | Compressor | Capacity BTUH @ 110°F Ambient Suction Temperature | | | | | |
|---|---|---|---|---|---|---|---|
| | | 40°F | 30°F | 25°F | 20°F | 10°F | 0°F |
| BS*005H2 | HAG-0050 | 4,920 | 4,080 | 3,700 | 3,160 | 2,440 | – |
| BS*008H2 | KAN-0075 | 7,860 | 6,470 | 5,860 | 5,280 | 3,840 | – |
| BS*008M2 | KAE-0075 | – | – | 6,480 | 5,860 | 4,760 | 3,840 |
| BS*010H2 | KAR-0100 | 10,920 | 9,030 | 8,150 | 7,300 | 5,780 | – |
| BS*010M2 | KAM-0100 | – | – | 8,530 | 7,670 | 6,030 | 4,430 |
| BS*015H2 | KAG-0150 | 14,380 | 11,750 | 10,760 | 9,680 | 7,720 | – |
| BS*020H2 | ERA-0200 | 17,200 | 13,400 | 11,500 | 9,540 | 5,510 | – |
| BS*020M2 | KAK-0200 | – | – | 14,550 | 13,120 | 10,530 | 8,360 |
| BS*021M2 | ERC-0200 | – | – | 15,520 | 14,090 | 11,440 | 9,180 |
| BS*029M2 | ERF-0310 | – | – | 22,150 | 20,040 | 16,210 | 13,080 |
| BS*030H2 | ERF-0310 | 31,370 | 26,070 | 23,580 | 21,240 | 17,050 | – |
| BS*030M2 | 3RA-0310 | – | – | 28,420 | 25,810 | 21,040 | 17,100 |
| BS*040H2 | NRB-0400 | 44,540 | 37,140 | 33,660 | 30,330 | 21,900 | – |
| BS*050H2 | NRA-0500 | 50,440 | 42,210 | 38,540 | 34,690 | 26,100 | – |
| BS*050M2 | NRM-0500 | – | – | 45,400 | 41,270 | 33,690 | 27,420 |

** = T for Outdoor, N for Indoor, B for Bohnmizer, S for Beacon II™*

# SEMI-HERMETIC COMPRESSORS
## Performance Data - Medium Temperature (R-404A/507)

| R-404A/507 Model | Compressor | Capacity BTUH @ 90°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 25°F | 20°F | 15°F | 10°F | 5°F | 0°F | -5°F |
| BS*010M6 | KAR-010E | 9,680 | 8,730 | 7,930 | 7,260 | 6,500 | 5,890 | 5,000 |
| BS*020M6 | KAK-020E | 16,890 | 15,110 | 13,590 | 12,260 | 11,070 | 9,940 | 8,690 |
| BS*021M6 | ERC-021E | 19,930 | 17,400 | 15,800 | 14,300 | 12,800 | 11,840 | 10,220 |
| BS*030M6 | ERF-031E | 30,880 | 28,310 | 25,730 | 23,180 | 20,690 | 18,260 | 15,950 |
| BS*040M6 | NRB-040E | 40,810 | 37,350 | 33,810 | 30,250 | 26,730 | 23,250 | 19,900 |

| R-404A/507 Model | Compressor | Capacity BTUH @ 95°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 25°F | 20°F | 15°F | 10°F | 5°F | 0°F | -5°F |
| BS*010M6 | KAR-010E | 9,140 | 8,300 | 7,600 | 6,870 | 6,150 | 5,550 | 4,730 |
| BS*020M6 | KAK-020E | 16,240 | 14,530 | 13,070 | 11,790 | 10,640 | 9,560 | 8,360 |
| BS*021M6 | ERC-021E | 18,850 | 16,500 | 14,900 | 13,500 | 12,700 | 11,140 | 9,580 |
| BS*030M6 | ERF-031E | 29,690 | 27,220 | 24,740 | 22,290 | 19,890 | 17,560 | 15,340 |
| BS*040M6 | NRB-040E | 39,240 | 35,910 | 32,510 | 29,090 | 25,700 | 22,360 | 19,130 |

| R-404A/507 Model | Compressor | Capacity BTUH @ 100°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 25°F | 20°F | 15°F | 10°F | 5°F | 0°F | -5°F |
| BS*010M6 | KAR-010E | 8,680 | 7,950 | 7,110 | 6,410 | 5,780 | 5,220 | 4,450 |
| BS*020M6 | KAK-020E | 15,590 | 13,950 | 12,550 | 11,320 | 10,210 | 9,180 | 8,030 |
| BS*021M6 | ERC-021E | 17,840 | 16,280 | 14,870 | 13,440 | 11,970 | 10,450 | 8,940 |
| BS*030M6 | ERF-031E | 28,500 | 26,130 | 23,750 | 21,400 | 19,090 | 16,860 | 14,730 |
| BS*040M6 | NRB-040E | 37,670 | 34,470 | 31,210 | 27,930 | 24,670 | 21,470 | 18,360 |

| R-404A/507 Model | Compressor | Capacity BTUH @ 110°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 25°F | 20°F | 15°F | 10°F | 5°F | 0°F | -5°F |
| BS*010M6 | KAR-010E | 7,740 | 7,000 | 6,350 | 5,720 | 5,120 | 4,600 | 3,900 |
| BS*020M6 | KAK-020E | 14,290 | 12,790 | 11,500 | 10,380 | 9,360 | 8,410 | 7,360 |
| BS*021M6 | ERC-021E | 15,840 | 14,610 | 12,600 | 11,850 | 10,470 | 9,180 | 7,770 |
| BS*030M6 | ERF-031E | 26,130 | 23,950 | 21,770 | 19,620 | 17,500 | 15,450 | 13,500 |
| BS*040M6 | NRB-040E | 34,530 | 31,600 | 28,610 | 25,600 | 22,620 | 19,680 | 16,830 |

** = T for Outdoor, N for Indoor, B for Bohnmizer, S for Beacon II™*

# SEMI-HERMETIC COMPRESSORS
## Performance Data - Low Temperature (R-404A/507)

| R-404A/507 Model | Compressor | Capacity BTUH @ 90°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 0°F | -10°F | -15°F | -20°F | -25°F | -30°F | -40°F |
| BS*010L6 | KAJ-010E | 7,770 | 6,990 | 6,240 | 4,830 | 4,190 | 3,610 | 2,640 |
| BS*015L6 | KAL-015E | 11,780 | 10,600 | 9,470 | 7,340 | 6,370 | 5,500 | 4,020 |
| BS*020L6 | EAD-020E | 13,780 | 12,290 | 10,860 | 8,260 | 7,120 | 6,100 | 4,470 |
| BS*021L6 | EAV-021E | 15,120 | 13,660 | 12,200 | 9,420 | 8,140 | 6,980 | 5,160 |
| BS*027L6 | 3AB-031E | 17,670 | 15,860 | 14,110 | 10,870 | 9,420 | 8,100 | 5,940 |
| BS*030L6 | LAH-032E | 22,600 | 20,320 | 18,090 | 13,810 | 11,830 | 9,970 | 6,780 |
| BS*030E6 | LAC-032E | – | – | – | 16,780 | 14,570 | 12,540 | 9,010 |
| BS*040L6 | NRD-040E^<br>NRD-032E^^ | 29,660 | 26,750 | 23,910 | 18,490 | 15,980 | 13,640 | 9,480 |

| R-404A/507 Model | Compressor | Capacity BTUH @ 95°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 0°F | -10°F | -15°F | -20°F | -25°F | -30°F | -40°F |
| BS*010L6 | KAJ-010E | 7,220 | 6,480 | 5,790 | 4,520 | 3,940 | 3,390 | 2,440 |
| BS*015L6 | KAL-015E | 10,960 | 9,930 | 8,920 | 6,990 | 6,110 | 5,300 | 3,930 |
| BS*020L6 | EAD-020E | 12,530 | 11,160 | 9,870 | 7,520 | 6,490 | 5,560 | 3,980 |
| BS*021L6 | EAV-021E | 13,920 | 12,600 | 11,280 | 8,780 | 7,610 | 6,520 | 4,590 |
| BS*027L6 | 3AB-031E | 16,640 | 14,890 | 13,210 | 10,100 | 8,710 | 7,450 | 5,420 |
| BS*030L6 | LAH-032E | 21,310 | 19,100 | 16,930 | 12,800 | 10,880 | 9,100 | 6,040 |
| BS*030E6 | LAC-032E | – | – | – | 15,700 | 13,550 | 11,580 | 8,270 |
| BS*040L6 | NRD-040E^<br>NRD-032E^^ | 28,090 | 25,280 | 22,530 | 17,300 | 14,860 | 12,590 | 8,630 |

| R-404A/507 Model | Compressor | Capacity BTUH @ 100°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 0°F | -10°F | -15°F | -20°F | -25°F | -30°F | -40°F |
| BS*010L6 | KAJ-010E | 6,900 | 6,180 | 5,470 | 4,160 | 3,570 | 3,030 | 2,150 |
| BS*015L6 | KAL-015E | 10,520 | 9,460 | 8,410 | 6,440 | 5,540 | 4,700 | 3,300 |
| BS*020L6 | EAD-020E | 12,140 | 10,730 | 9,400 | 6,970 | 5,920 | 4,980 | 3,530 |
| BS*021L6 | EAV-021E | 13,390 | 12,110 | 10,810 | 8,260 | 7,060 | 5,940 | 4,050 |
| BS*027L6 | 3AB-031E | 15,620 | 13,940 | 12,320 | 9,330 | 8,000 | 6,800 | 4,900 |
| BS*030L6 | LAH-032E | 20,020 | 17,890 | 15,790 | 11,790 | 9,940 | 8,230 | 5,300 |
| BS*030E6 | LAC-032E | – | – | – | 14,630 | 12,530 | 10,640 | 7,540 |
| BS*040L6 | NRD-040E^<br>NRD-032E^^ | 26,520 | 23,810 | 21,160 | 16,100 | 13,750 | 11,560 | 7,720 |

| R-404A/507 Model | Compressor | Capacity BTUH @ 110°F Ambient Suction Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 0°F | -10°F | -15°F | -20°F | -25°F | -30°F | -40°F |
| BS*010L6 | KAJ-010E | 6,040 | 5,370 | 4,720 | 3,510 | 2960 | 2,470 | 1,660 |
| BS*015L6 | KAL-015E | 9,290 | 8,320 | 7,370 | 5,560 | 4,710 | 3,930 | 2,580 |
| BS*020L6 | EAD-020E | 10,510 | 9,210 | 7,950 | 6,000 | 4,720 | 3,880 | 2,610 |
| BS*021L6 | EAV-021E | 11,670 | 10,570 | 9,450 | 7,130 | 5,990 | 4,900 | 2,950 |
| BS*027L6 | 3AB-031E | 13,590 | 12,040 | 10,540 | 7,800 | 6,590 | 5,520 | 3,870 |
| BS*030L6 | LAH-032E | 17,480 | 15,490 | 13,530 | 9,800 | 8,080 | 6,490 | 3,750 |
| BS*030E6 | LAC-032E | – | – | – | 12,510 | 10,510 | 8,760 | 6,090 |
| BS*040L6 | NRD-040E^<br>NRD-032E^^ | 23,410 | 20,900 | 18,440 | 13,740 | 11,550 | 9,500 | 5,880 |

** = T for Outdoor, N for Indoor, B for Bohnmizer, S for Beacon II™*
*^ NRD1-040E Compressor is Single Phase & uses R-404A only.*
*^^ Uses R-404A & 507 in 3 phase model.*

# SEMI-HERMETIC COMPRESSORS
## Unit Specifications

| Model | Fig. ++ | Compressor | Connections (ID) | | Receiver 90% Full Lbs. | Fan(s) | Dimensions | | | Net Wt. Lbs. | Sound Data dBA† |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Liquid | Suction | | | D (In.) | W (In.) | H (In.) | | |
| BS*005H2 | A | HAG-0050 | 3/8 | 1/2 | 6.0 | 1 | 28.25 | 23.75 | 17.25 | 161 | 66 |
| BS*008H2 | A | KAN-0075 | 3/8 | 5/8 | 6.0 | 1 | 28.25 | 23.75 | 17.25 | 180 | 66 |
| BS*008M2 | A | KAE-0075 | 3/8 | 5/8 | 6.0 | 1 | 28.25 | 23.75 | 17.25 | 180 | 66 |
| BS*010H2 | A | KAR-0100 | 3/8 | 5/8 | 6.0 | 1 | 28.25 | 23.75 | 17.25 | 175 | 66 |
| BS*010M2 | A | KAM-0100 | 3/8 | 5/8 | 6.0 | 1 | 28.25 | 23.75 | 17.25 | 178 | 66 |
| BS*015H2 | B | KAG-0150 | 3/8 | 7/8 | 10.0 | 2 | 28.25 | 37.75 | 17.25 | 221 | 69 |
| BS*020H2 | B | ERA-0200 | 3/8 | 7/8 | 10.0 | 2 | 28.25 | 37.75 | 17.25 | 293 | 69 |
| BS*020M2 | B | KAK-0200 | 3/8 | 7/8 | 10.0 | 2 | 28.25 | 37.75 | 17.25 | 189 | 69 |
| BS*021M2 | B | ERC-0200 | 3/8 | 7/8 | 10.0 | 2 | 28.25 | 37.75 | 17.25 | 301 | 69 |
| BS*029M2 | C | ERF-0310 | 1/2 | 7/8 | 16.0 | 2 | 28.25 | 37.75 | 19.75 | 391 | 69 |
| BS*030H2 | D | ERF-0310 | 1/2 | 7/8 | 22.0 | 1 | 30.25 | 42.5 | 29.75 | 385 | 70 |
| BS*030M2 | D | 3RA-0310 | 1/2 | 7/8 | 22.0 | 1 | 30.25 | 42.5 | 29.75 | 397 | 71 |
| BS*040H2 | D | NRB-0400 | 1/2 | 1-1/8 | 22.0 | 1 | 30.25 | 42.5 | 29.75 | 460 | 71 |
| BS*050H2 | D | NRA-0500 | 1/2 | 1-1/8 | 22.0 | 1 | 30.25 | 42.5 | 29.75 | 462 | 71 |
| BS*050M2 | D | NRM-0500 | 1/2 | 1-1/8 | 22.0 | 1 | 30.25 | 42.5 | 29.75 | 462 | 71 |
| BS*010M6 | A | KAR-010E | 3/8 | 5/8 | 5.5 | 1 | 28.25 | 23.75 | 17.25 | 178 | 67 |
| BS*020M6 | B | KAK-020E | 3/8 | 7/8 | 9.0 | 2 | 28.25 | 37.75 | 17.25 | 189 | 69 |
| BS*021M6 | B | ERC-021E | 3/8 | 7/8 | 9.0 | 2 | 28.25 | 37.75 | 17.25 | 301 | 70 |
| BS*030M6 | D | ERF-031E | 1/2 | 7/8 | 20.0 | 1 | 30.25 | 42.5 | 29.75 | 397 | 71 |
| BS*040M6 | D | NRB-040E | 1/2 | 1-1/8 | 20.0 | 1 | 30.25 | 42.5 | 29.75 | 460 | 73 |
| BS*010L6 | A | KAJ-010E | 3/8 | 5/8 | 5.5 | 1 | 28.25 | 23.75 | 17.25 | 178 | 67 |
| BS*015L6 | B | KAL-015E | 3/8 | 7/8 | 9.0 | 2 | 28.25 | 37.75 | 17.25 | 225 | 69 |
| BS*020L6 | B | EAD-020E | 3/8 | 7/8 | 9.0 | 2 | 28.25 | 37.75 | 17.25 | 291 | 70 |
| BS*021L6 | B | EAV-021E | 3/8 | 7/8 | 9.0 | 2 | 28.25 | 37.75 | 17.25 | 301 | 70 |
| BS*027L6 | C | 3AB-031E | 1/2 | 7/8 | 14.0 | 2 | 28.25 | 37.75 | 19.75 | 391 | 71 |
| BS*030L6 | C | LAH-032E | 1/2 | 7/8 | 14.0 | 2 | 28.25 | 37.75 | 19.75 | 357 | 71 |
| BS*030E6 | C | LAC-032E | 1/2 | 7/8 | 14.0 | 2 | 28.25 | 37.75 | 19.75 | 391 | 71 |
| BS*040L6 | D | NRD-032/040E | 1/2 | 1-1/8 | 20.0 | 1 | 30.25 | 42.5 | 29.75 | 457 | 73 |

** = T for Outdoor, N for Indoor, B for Bohnmizer, S for Beacon II™*
*++ = See Dimensional Drawings for details.*
*† = Estimated sound pressure values are 10 feet from the unit. For estimating sound pressure from the unit at different distances, deduct the following from the unit values: 20 feet, deduct 6 dBA for 40 feet, deduct 12 dBA for 80 feet, deduct 18 dBA. This data is typical of "free field" conditions for horizontal air cooled condensing units at the outlet of the discharge air. The actual sound measurements may vary depending on the condensing unit installation. Factors such as reflecting walls, background noise and mounting conditions may have a significant influence on this data.*

# SEMI-HERMETIC COMPRESSORS
## Electrical Data - Medium and High Temperature

| Model Number | Part Number | Power Supply | | | Compressor | | Fan Motor | | | MCA | | MOPD | | Evap. Fan Amps | Defrost Heater Amps |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Volts | Ph | Hz† | RLA | LRA | Qty. | HP | FLA | Air | Elec. | Air | Elec. | | |
| BS*005H2B | HAG2-0050-CAV | 208-230 | 1 | 60 | 3.6 | 22.0 | 1 | 1/15 | 0.5 | 15 | 20 | 15 | 20 | 9 | 15 |
| BS*005H2C | HAG1-0050-TAC | 208-230 | 3 | 60 | 2.1 | 13.0 | 1 | 1/15 | 0.5 | 15 | 20 | 15 | 20 | 9.5 | 15 |
| BS*008H2B | KAN2-0075-CAV | 208-230 | 1 | 60 | 5.4 | 36.0 | 1 | 1/15 | 0.5 | 15 | 20 | 15 | 20 | 8 | 15 |
| BS*008H2C | KAN1-0075-TAC | 208-230 | 3 | 60 | 3.1 | 19.9 | 1 | 1/15 | 0.5 | 15 | 20 | 15 | 20 | 9 | 15 |
| BS*008M2B | KAE2-0075-CAV | 208-230 | 1 | 60 | 4.9 | 36.0 | 1 | 1/15 | 0.5 | 15 | 20 | 15 | 20 | 8 | 15 |
| BS*008M2C | KAE1-0075-TAC | 208-230 | 3 | 60 | 3.0 | 19.9 | 1 | 1/15 | 0.5 | 15 | 20 | 15 | 20 | 9 | 15 |
| BS*010H2B | KAR2-0100-CAV | 208-230 | 1 | 60 | 6.6 | 40.0 | 1 | 1/15 | 0.5 | 15 | 20 | 15 | 20 | 7 | 15 |
| BS*010H2C | KAR1-0100-TAC | 208-230 | 3 | 60 | 3.8 | 27.0 | 1 | 1/15 | 0.5 | 15 | 20 | 15 | 20 | 9 | 15 |
| BS*010M2B | KAM2-0100-CAV | 208-230 | 1 | 60 | 6.7 | 40.0 | 1 | 1/15 | 0.5 | 15 | 20 | 15 | 20 | 7 | 15 |
| BS*010M2C | KAM1-0100-TAC | 208-230 | 3 | 60 | 4.0 | 27.0 | 1 | 1/15 | 0.5 | 15 | 20 | 15 | 20 | 9 | 15 |
| BS*015H2B | KAGB-0150-CAV | 208-230 | 1 | 60 | 8.6 | 55.0 | 2 | 1/15 | 1.0 | 15 | 24 | 20 | 25 | 9 | 19 |
| BS*015H2C | KAGA-0150-TAC | 208-230 | 3 | 60 | 4.9 | 35.5 | 2 | 1/15 | 1.0 | 15 | 20 | 15 | 20 | 8 | 15 |
| BS*015H2D | KAGA-0150-TAD | 460 | 3 | 60 | 2.2 | 18.2 | 2 | 1/15 | 1.0 | 15 | 20 | 15 | 20 | ^ | ^ |
| BS*020H2G | ERA2-0200-CAB | 230 | 1 | 60 | 9.3 | 58.0 | 2 | 1/15 | 1.0 | 15 | 24 | 20 | 25 | 6 | 19 |
| BS*020H2C | ERA1-0200-TAC | 208-230 | 3 | 60 | 5.9 | 46.0 | 2 | 1/15 | 1.0 | 15 | 24 | 15 | 25 | 9 | 19 |
| BS*020H2D | ERA1-0200-TAD | 460 | 3 | 60 | 3.1 | 46.0 | 2 | 1/15 | 1.0 | 15 | 20 | 15 | 20 | ^ | ^ |
| BS*020M2B | KAKB-0200-CAV | 208-230 | 1 | 60 | 9.5 | 55.0 | 2 | 1/15 | 1.0 | 15 | 24 | 20 | 25 | 6 | 19 |
| BS*020M2C | KAKA-0200-TAC | 208-230 | 3 | 60 | 6.1 | 50.0 | 2 | 1/15 | 1.0 | 15 | 24 | 15 | 25 | 9 | 19 |
| BS*021M2G | ERC2-0200-CAB | 230 | 1 | 60 | 9.7 | 58.0 | 2 | 1/15 | 1.0 | 15 | 24 | 20 | 25 | 6 | 19 |
| BS*021M2C | ERC1-0200-TAC | 208-230 | 3 | 60 | 6.1 | 46.0 | 2 | 1/15 | 1.0 | 15 | 24 | 15 | 25 | 9 | 19 |
| BS*021M2D | ERC1-0200-TAD | 460 | 3 | 60 | 3.3 | 23.0 | 2 | 1/15 | 1.0 | 15 | 20 | 15 | 20 | ^ | ^ |
| BS*029M2G | ERF2-0310-CAB | 230 | 1 | 60 | 15.6 | 86.0 | 2 | 1/15 | 1.0 | 21 | 38 | 35 | 45 | 12 | 30 |
| BS*029M2C | ERF1-0311-TAC | 208-230 | 3 | 60 | 11.2 | 82.0 | 2 | 1/15 | 1.0 | 15 | 29 | 25 | 35 | 12 | 23 |
| BS*029M2D | ERFI-0311-TAD | 460 | 3 | 60 | 5.2 | 41.0 | 2 | 1/15 | 1.0 | 15 | 15 | 15 | 25 | ^ | ^ |
| BS*030H2G | ERF2-0310-CAB | 230 | 1 | 60 | 15.6 | 86.0 | 1 | 1/3 | 3.5 | 23 | 38 | 35 | 50 | 12 | 30 |
| BS*030H2C | ERF1-0311-TAC | 208-230 | 3 | 60 | 11.2 | 82.0 | 1 | 1/3 | 3.5 | 20 | 38 | 25 | 40 | 12 | 30 |
| BS*030H2D | ERF1-0311-TAD | 460 | 3 | 60 | 5.2 | 41.0 | 1 | 1/3 | 1.9 | 15 | 24 | 15 | 25 | ^ | ^ |
| BS*030M2G | 3RA2-0310-CAB | 230 | 1 | 60 | 16.0 | 86.0 | 1 | 1/3 | 3.5 | 24 | 38 | 35 | 50 | 12 | 30 |
| BS*030M2C | 3RA1-0311-TAC | 208-230 | 3 | 60 | 12.7 | 82.0 | 1 | 1/3 | 3.5 | 20 | 38 | 30 | 40 | 12 | 30 |
| BS*030M2D | 3RA1-0311-TAD | 460 | 3 | 60 | 5.6 | 41.0 | 1 | 1/3 | 1.9 | 15 | 24 | 15 | 25 | ^ | ^ |
| BS*040H2C | NRB2-0400-TFC | 208-230 | 3 | 60 | 19.6 | 141.0 | 1 | 1/3 | 3.5 | 28 | 40 | 45 | 50 | 12 | 30 |
| BS*040H2D | NRB2-0400-TFD | 460 | 3 | 60 | 10.1 | 62.5 | 1 | 1/3 | 1.9 | 15 | 29 | 20 | 35 | 12 | 23 |
| BS*050H2C | NRA3-0500-TFC | 208-230 | 3 | 60 | 17.2 | 141.0 | 1 | 1/3 | 3.5 | 25 | 38 | 40 | 50 | 12 | 30 |
| BS*050H2D | NRA3-0500-TFD | 460 | 3 | 60 | 8.7 | 62.5 | 1 | 1/3 | 1.9 | 15 | 29 | 20 | 35 | 12 | 23 |
| BS*050M2C | NRM1-0500-TFC | 208-230 | 3 | 60 | 21.8 | 141.0 | 1 | 1/3 | 3.5 | 31 | 43 | 50 | 60 | 12 | 32 |
| BS*050M2D | NRM1-0500-TFD | 460 | 3 | 60 | 10.8 | 62.5 | 1 | 1/3 | 1.9 | 15 | 29 | 25 | 35 | 12 | 23 |
| BS*010M6B | KARB-010E-CAV | 208-230 | 1 | 60 | 6.4 | 40.0 | 1 | 1/15 | 0.5 | 15 | 20 | 15 | 20 | 7 | 15 |
| BS*010M6C | KARA-010E-TAC | 208-230 | 3 | 60 | 3.8 | 27.0 | 1 | 1/15 | 0.5 | 15 | 20 | 15 | 20 | 9 | 15 |
| BS*020M6B | KAKB-021E-CAV | 208-230 | 1 | 60 | 9.1 | 55.0 | 2 | 1/15 | 1.0 | 15 | 24 | 20 | 25 | 6 | 19 |
| BS*020M6C | KAKA-020E-TAC | 208-230 | 3 | 60 | 5.8 | 50.0 | 2 | 1/15 | 1.0 | 15 | 24 | 15 | 25 | 9 | 19 |
| BS*021M6C | ERCA-021E-TAC | 208-230 | 3 | 60 | 7.9 | 46.0 | 2 | 1/15 | 1.0 | 15 | 24 | 15 | 25 | 9 | 19 |
| BS*021M6D | ERCA-020E-TAD | 460 | 3 | 60 | 3.1 | 23.0 | 2 | 1/15 | 1.0 | 15 | 20 | 15 | 20 | ^ | ^ |
| BS*030M6G | ERFB-031E-CAB | 230 | 1 | 60 | 15.3 | 86.0 | 1 | 1/3 | 3.5 | 23 | 38 | 35 | 45 | 12 | 30 |
| BS*030M6C | ERFA-031E-TAC | 208-230 | 3 | 60 | 11.2 | 82.0 | 1 | 1/3 | 3.5 | 20 | 38 | 25 | 40 | 12 | 30 |
| BS*030M6D | ERFA-031E-TAD | 460 | 3 | 60 | 5.2 | 41.0 | 1 | 1/3 | 3.5 | 15 | 24 | 15 | 25 | ^ | ^ |
| BS*040M6C | NRB2-040E-TFC | 208-230 | 3 | 60 | 19.6 | 141.0 | 1 | 1/3 | 3.5 | 28 | 40 | 45 | 50 | 12 | 30 |
| BS*040M6D | NRB2-040E-TFD | 460 | 3 | 60 | 8.1 | 62.5 | 1 | 1/3 | 1.9 | 15 | 29 | 20 | 35 | 12 | 23 |

** = T for Outdoor, N for Indoor, B for Bohnmizer, S for Beacon II™*
*^ Power supplied by customer.*
*† Consult factory for 50 HZ applications.*

# SEMI-HERMETIC COMPRESSORS
## Electrical Data - Low Temperature

| Model Number | Part Number | Power Supply | | | Compressor | | Fan Motor | | | MCA | | MOPD | | Evap. Fan Amps | Defrost Heater Amps |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Volts | Ph | Hz† | RLA | LRA | Qty. | HP | FLA | Air | Elec. | Air | Elec. | | |
| BS*010L6B | KAJB-010E-CAV | 208-230 | 1 | 60 | 6.2 | 40.0 | 1 | 1/15 | 0.5 | 15 | 20 | 15 | 20 | 8 | 15 |
| BS*010L6C | KAJA-011E-TAC | 208-230 | 3 | 60 | 4.1 | 27.0 | 1 | 1/15 | 0.5 | 15 | 20 | 15 | 20 | 9 | 15 |
| BS*015L6B | KALB-015E-CAV | 208-230 | 1 | 60 | 8.9 | 55.0 | 2 | 1/15 | 1.0 | 15 | 24 | 20 | 25 | 8 | 19 |
| BS*015L6C | KALA-016E-TAC | 208-230 | 3 | 60 | 6.0 | 50.0 | 2 | 1/15 | 1.0 | 15 | 20 | 15 | 20 | 7.6 | 15 |
| BS*015L6D | KALA-016E-TAD | 460 | 3 | 60 | 3.1 | 25.0 | 2 | 1/15 | 1.0 | 15 | 20 | 15 | 20 | 9 | 15 |
| BS*020L6G | EADB-021E-CAB | 230 | 1 | 60 | 9.0 | 58.0 | 2 | 1/15 | 1.0 | 15 | 24 | 20 | 25 | 4 | 19 |
| BS*020L6C | EADA-020E-TAC | 208-230 | 3 | 60 | 6.1 | 46.0 | 2 | 1/15 | 1.0 | 15 | 20 | 15 | 20 | 7 | 15 |
| BS*021L6B | EAVB-021E-CAV | 208-230 | 1 | 60 | 13.2 | 102.0 | 2 | 1/15 | 1.0 | 20 | 29 | 30 | 30 | 4 | 23 |
| BS*021L6C | EAVA-021E-TAC | 208-230 | 3 | 60 | 6.6 | 50.0 | 2 | 1/15 | 1.0 | 15 | 20 | 15 | 20 | 7 | 15 |
| BS*021L6D | EAVA-021E-TAD | 460 | 3 | 60 | 2.9 | 26.6 | 2 | 1/15 | 1.0 | 15 | 20 | 15 | 20 | 9 | 15 |
| BS*027L6G | 3ABB-032E-CAB | 230 | 1 | 60 | 13.2 | 86.0 | 2 | 1/15 | 1.0 | 20 | 38 | 30 | 40 | 12 | 30 |
| BS*027L6C | 3ABA-031E-TAC | 208-230 | 3 | 60 | 9.0 | 82.0 | 2 | 1/15 | 1.0 | 15 | 24 | 20 | 25 | 8 | 19 |
| BS*027L6D | 3ABA-031E-TAD | 460 | 3 | 60 | 4.6 | 41.0 | 2 | 1/15 | 1.0 | 15 | 15 | 15 | 15 | ^ | ^ |
| BS*030L6G | LAHB-032E-CAB | 230 | 1 | 60 | 15.0 | 105.0 | 2 | 1/15 | 1.0 | 20 | 38 | 30 | 45 | 12 | 30 |
| BS*030L6C | LAHA-032E-TAC | 208-230 | 3 | 60 | 11.5 | 112.0 | 2 | 1/15 | 1.0 | 20 | 29 | 25 | 35 | 12 | 23 |
| BS*030L6D | LAHA-032E-TAD | 460 | 3 | 60 | 5.4 | 56.0 | 2 | 1/15 | 1.0 | 15 | 15 | 15 | 15 | ^ | ^ |
| BS*030E6G | LACB-032E-CAB | 230 | 1 | 60 | 13.9 | 105.0 | 2 | 1/15 | 1.0 | 20 | 38 | 30 | 40 | 12 | 30 |
| BS*030E6C | LACA-032E-TAC | 208-230 | 3 | 60 | 11.5 | 112.0 | 2 | 1/15 | 1.0 | 15 | 29 | 25 | 35 | 12 | 23 |
| BS*030E6D | LACA-032E-TAD | 460 | 3 | 60 | 5.4 | 56.0 | 2 | 1/15 | 1.0 | 15 | 15 | 15 | 15 | ^ | ^ |
| BS*040L6G | NRD1-040E-CFB | 230 | 1 | 60 | 24.9 | 115.0 | 1 | 1/3 | 3.5 | 35 | 44 | 50 | 60 | 10 | 30 |
| BS*040L6C | NRD1-032E-TFC | 208-230 | 3 | 60 | 14.6 | 82.0 | 1 | 1/3 | 3.5 | 22 | 38 | 35 | 45 | 12 | 30 |
| BS*040L6D | NRD1-032E-TFD | 460 | 3 | 60 | 7.6 | 41.0 | 1 | 1/3 | 1.9 | 15 | 24 | 15 | 25 | 9 | 19 |

** = T for Outdoor, N for Indoor, B for Bohnmizer, S for Beacon II™*
*^ Power supplied by customer.*
*† Consult factory for 50 HZ applications.*
*NOTE: Per UL and NEC, RLA values have been calculated by dividing the Maximum Continuous Current (MCC) by 1.56*

## Replacement Parts List

| Model | PSC Motor | Fan Blade |
|---|---|---|
| A, B, C Cabinet | 25309101, 230/1 | 22901601, 14" |
| D Cabinet | 25309001, 230/1<br>25309002, 460/1 | 7173156, 22" |

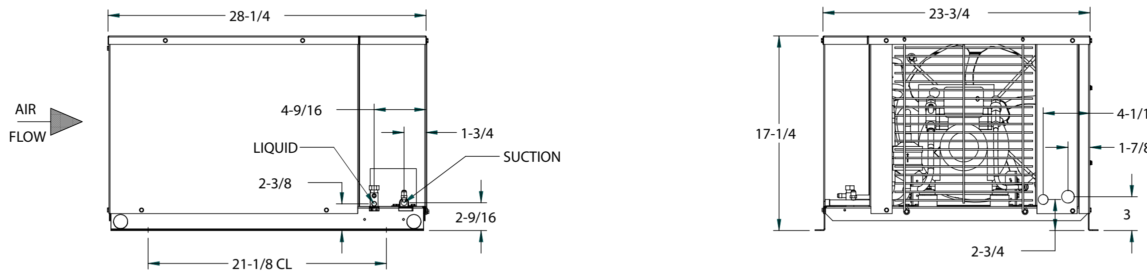
# Dimensional Drawings

## OUTDOOR

LEFT VIEW | FRONT VIEW

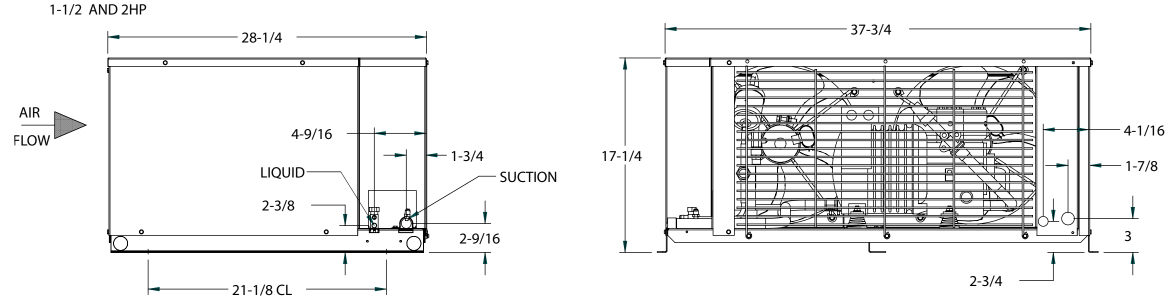
1/2, 3/4 AND 1HP

**A**



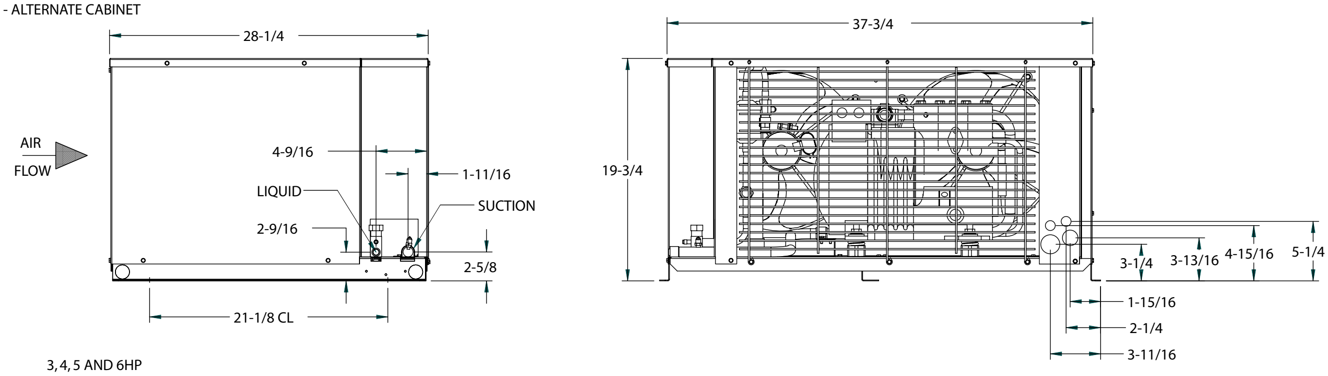

1-1/2 AND 2HP

**B**



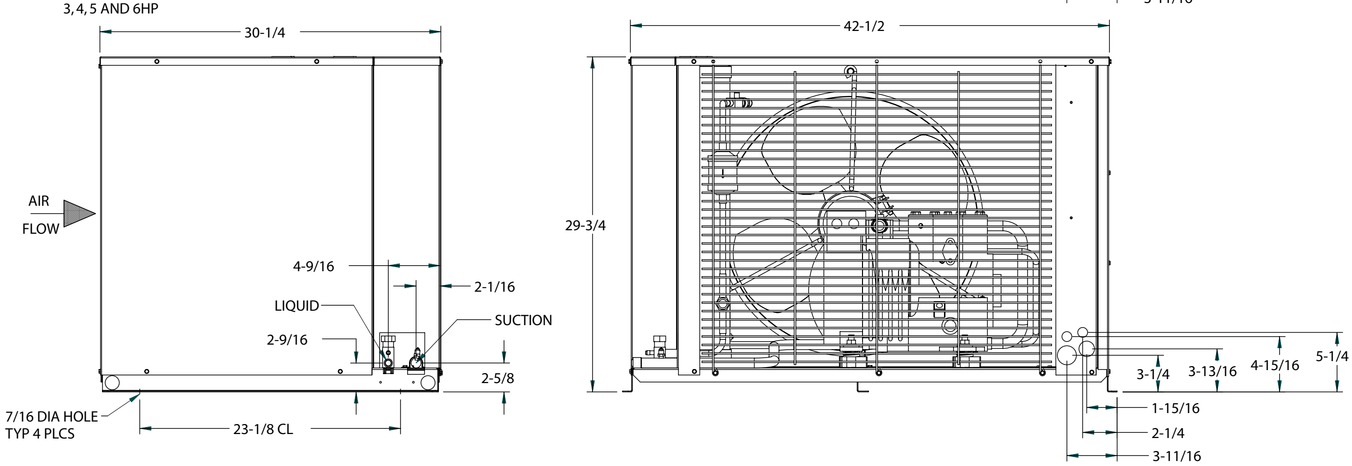

HP - ALTERNATE CABINET

**C**




3, 4, 5 AND 6HP

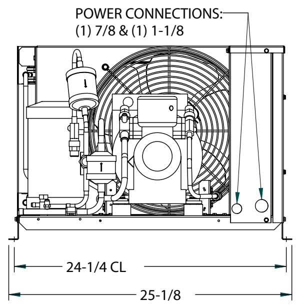
**D**



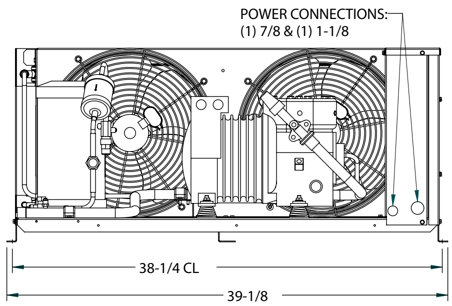
# INDOOR

## FRONT VIEW

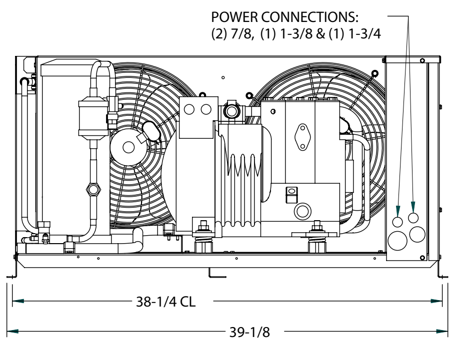
A



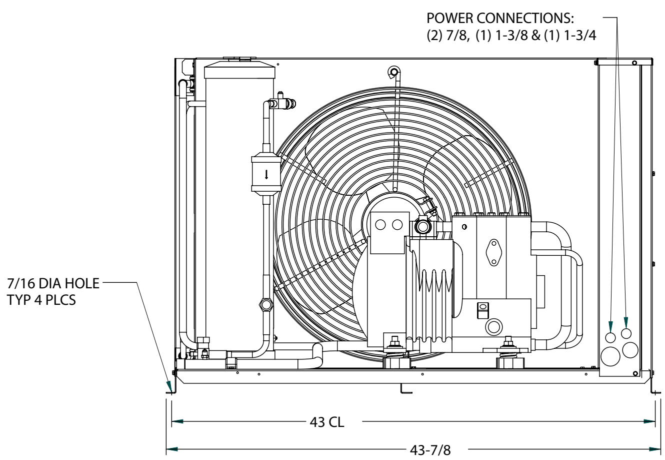

B




C




D



# Notes



For more information on Bohn refrigeration products, contact
your Sales Representative or visit us at www.thecoldstandard.com.

BOHN
THE COLD STANDARD

**A Brand of Heatcraft Refrigeration Products LLC**
**2175 West Park Place Blvd. • Stone Mountain, GA • 30087**
**(800) 537-7775 • FAX (770) 465-5990**

**www.thecoldstandard.com**

*Since product improvement is a continuing effort, we reserve the right to make changes in specifications without notice.*

BN-HTSTB-0408 | Version 000